



# SDS

## Safety Data Sheets

**ALL SDS ARE LISTED IN ALPHABETICAL ORDER  
TO ORDER REPLACEMENT SDS BOOKS, CONTACT  
[CUSTOMERSERVICE@MJSIA.COM](mailto:CUSTOMERSERVICE@MJSIA.COM) or  
CALL 800-249-6161. SCAN QR CODE FOR ONLINE ACCESS**



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## SPARTAN CHEMICAL COMPANY

- Airlift – Cranberry Scent
- Airlift – Lemon Scent
- BH-38
- Chewing Gum Remover
- Clean by Peroxy
- Consume
- Damp Mop
- Dust Mop / Dust Cloth Treatment
- Foamy iQ – Cranberry Ice
- Foamy iQ Professional Handwash
- Foamy Q&A – FLOOR CREW USE ONLY – IF YOU SEE IN CLOSET, NOTIFY MANAGEMENT IMMEDIATELY
- Germicidal Bowl Cleanse
- GS Neutral Disinfectant Cleaner
- GS Restroom Cleaner
- Green Solutions All Purpose Cleaner
- Halt
- M-95 – SUPERVISOR USE ONLY
- NABC – Non-Acid Disinfectant Bathroom Cleaner
- Peroxy 4D – SUPERVISOR USE ONLY
- Premium Wood Polish
- SC-200
- SD-20 All Purpose Degreaser
- SNB-130
- Stainless Steel Cleaner Polish
- Steriphene II Brand Disinfectant Deodorant
- TB-Cide Quat
- Tribase Multi-Purpose Cleaner

## CHASE PRODUCTS CO.

- Chase's Home Value Spray Disinfectant – Citrus
- Chase's Home Value Spray Disinfectant – Linen

## • CHURCH & DWIGHT CO., INC.

- Cameo Aluminum & Stainless Steel Cleaner

## SEALED AIR DIVERSY CARE (AKA JOHNSON DIVERSEY)

- Crew Restroom Floor & Surface Non Acid Disinfectant Cleaner
- Crew Shower, Tub & Tile Cleaner HC
- Envy
- GP Forward SC Cleaner
- Oxivir Tb
- Prominence Heavy Duty Floor Cleaner
- Virex II 256

## PROCTER & GAMBLE

- Comet Disinfectant Cleanser with Chlorinol
- CLEAN QUICK Broad Range Quaternary Sanitizer

## RITE-KEM, INC.

- Lime-Away - SUPERVISOR USE ONLY

## STEARNS

- Concept "915" – WINTER ONLY

## ALL SDS ARE LISTED IN ALPHABETICAL ORDER

- Airlift – Cranberry Scent
- Airlift – Lemon Scent
- BH-38
- Cameo
- Chase Home Value Spray Disinfectant Citrus
- Chase's Home Value Spray Disinfectant Linen
- Chewing Gum Remover
- Clean by Peroxy
- CLEAN QUICK Broad Range Quaternary Sanitizer
- Comet
- Consept "915"
- Consume
- Crew Restroom Floor and Hard Surface NA Disinfectant Cleaner
- Crew Shower, Tub & Tile Cleaner HC
- Damp Mop
- Dust Mop / Dust Cloth Treatment
- Foamy iQ – Cranberry Ice
- Foamy iQ Professional Handwash
- Foamy Q&A
- Germicidal Bowl Cleanse
- GP Forward SC Cleaner
- GS Neutral Disinfectant Cleaner
- GS Restroom Cleaner
- Green Solutions All Purpose Cleaner
- Lime-Away
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- TB-Cide Quat
- Tribase Multi-Purpose Cleaner
- Virex II 256

**FIRST AID IS LOCATED IN SECTION 4**



## SECTIONS OF SAFETY DATA SHEETS (SDS)

- i. Section 1, Identification;
- ii. Section 2, Hazard(s) identification;
- iii. Section 3, Composition/information on ingredients;
- iv. Section 4, First-aid measures;
- v. Section 5, Fire-fighting measures;
- vi. Section 6, Accidental release measures;
- vii. Section 7, Handling and storage;
- viii. Section 8, Exposure controls/personal protection;
- ix. Section 9, Physical and chemical properties;
- x. Section 10, Stability and reactivity;
- xi. Section 11, Toxicological information.
- xii. Section 12, Ecological information;
- xiii. Section 13, Disposal considerations;
- xiv. Section 14, Transport information;
- xv. Section 15, Regulatory information; and
- xvi. Section 16, Other information, including date of preparation or last revision.

## SECTION 1: IDENTIFICATION INFORMATION

- Product identifier used on the label;
- Other means of identification;
- Recommended use of the chemical and restrictions on use;
- Name, address, and telephone number of the manufacturer, importer, or other responsible party;
- Emergency phone number.

## SECTION 2: HAZARD(S) IDENTIFICATION

- Classification of the chemical
- Signal word, hazard statement(s), symbol(s) and precautionary statement(s). (Hazard symbols may be provided as graphical reproductions in black and white or the name of the symbol, e.g., flame, skull and crossbones);
- Describe any hazards not otherwise classified that have been identified during the classification process;
- Where an ingredient with unknown acute toxicity is used in a mixture at a concentration = 1% and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### FOR SUBSTANCES

- Chemical name;
- Common name and synonyms;
- CAS number and other unique identifiers;
- Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.

*FOR MIXTURES* - In addition to the information required for substances:

- The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance and
  - are present above their cut-off/concentration limits; or
  - present a health risk below the cut-off/concentration limits.
- The concentration (exact percentage) shall be specified unless a trade secret claim is made, when there is batch-to-batch variability in the production of a mixture, or for a group of substantially similar mixtures with similar chemical composition. In these cases, concentration ranges may be used.

*FOR ALL CHEMICALS WHERE A TRADE SECRET IS CLAIMED*

- Where a trade secret is claimed, the specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret is required.

#### **SECTION 4: FIRST AID MEASURES**

- Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion;
- Most important symptoms/effects, acute and delayed.
- Indication of immediate medical attention and special treatment needed, if necessary.

#### **SECTION 5: FIREFIGHTING MEASURES**

- Suitable (and unsuitable) extinguishing media.
- Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment, and emergency procedures.
- Methods and materials for containment and cleaning up.

#### **SECTION 7: HANDLING & STORAGE**

- Precautions for safe handling.

#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

- OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.
- Appropriate engineering controls.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance (physical state, color, etc.);
- Odor;
- Odor threshold;
- pH;
- Melting point/freezing point;
- Initial boiling point and boiling range;
- Flash point;
- Evaporation rate;
- Flammability (solid, gas);
- Upper/lower flammability or explosive limits;
- Vapor pressure;
- Vapor density;
- Relative density;
- Solubility(ies);
- Partition coefficient: n-octanol/water;
- Auto-ignition temperature;
- Decomposition temperature;
- Viscosity.

## **SECTION 10: STABILITY AND REACTIVITY**

- Reactivity;
- Chemical stability;
- Possibility of hazardous reactions;
- Conditions to avoid (e.g., static discharge, shock, or vibration);
- Incompatible materials;
- Hazardous decomposition products.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

Description of the various toxicological (health) effects and the available data used to identify those effects, including:

- Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact);
- Symptoms related to the physical, chemical and toxicological characteristics;
- Delayed and immediate effects and also chronic effects from short- and long-term exposure;
- Numerical measures of toxicity (such as acute toxicity estimates).
- Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions), or by OSHA.

## **SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)**

- Ecotoxicity (aquatic and terrestrial, where available);
- Persistence and degradability;
- Bioaccumulative potential;
- Mobility in soil;

## **SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)**

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

## **SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)**

- UN number;
- UN proper shipping name;
- Transport hazard class(es);
- Packing group, if applicable;
- Environmental hazards (e.g., Marine pollutant (Yes/No));
- Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code);
- Special precautions, which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

## **SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)**

Safety, health and environmental regulations specific for the product in question.

## **SECTION 16: OTHER INFORMATION**

Other information, including date of preparation or last revision.

- The date of preparation of the SDS or the last change to it.

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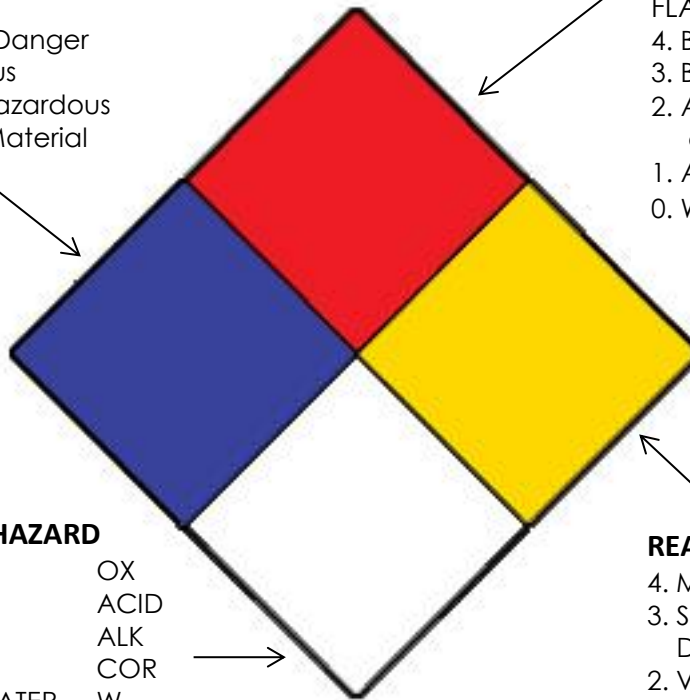
# SDS EXPLANATION GUIDE

### HEALTH HAZARD

- 4. Deadly
- 3. Extreme Danger
- 2. Hazardous
- 1. Slightly Hazardous
- 0. Normal Material

### FIRE HAZARD

- FLASH POINTS
- 4. Below 73° F
  - 3. Below 100° F
  - 2. Above 100° F. Not exceeding 200° F
  - 1. Above 200° F
  - 0. Will not burn



### SPECIFIC HAZARD

- Oxidizer OX
- Acid ACID
- Alkali ALK
- Corrosive COR
- Use NO WATER ☒
- Radioactive ☸


### REACTIVITY

- 4. May Detonate
- 3. Shock & Heat may Detonate
- 2. Violent chemical change
- 1. Unstable if heated
- 0. Stable



# NFPA Rating Explanation Guide



RATING NUMBER	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD	RATING SYMBOL	SPECIAL HAZARD
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures	ALK	Alkaline
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock	ACID	Acidic
				COR	Corrosive
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures	OX	Oxidizing
					Radioactive
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable	W	Reacts violently or explosively with water
0	No hazard	Will not burn	Stable	W OX	Reacts violently or explosively with water and oxidizing

## BH-38 PHOSPHATE FREE

### GHS CLASSIFICATION

Serious Eye Damage / Eye Irritation

Category 2A



### GHS LABEL ELEMENTS

Signal Word

WARNING



Symbol

HAZARD STATEMENT

Causes serious eye irritation

PRECAUTIONARY STATEMENT

Prevention

Wash hands and any exposed skin thoroughly after handling  
Wear eye / face protection

### TOXICOLOGICAL INFORMATION

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects
- \*Target Organ Effects

### Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and blurred vision  
Drying of the skin  
Nasal discomfort & coughing  
Pain, nausea, vomiting, diarrhea  
Data not available or insufficient for classification  
Blood, central nervous system, eyes, hematopoietic system,  
kidney, liver, respiratory system, skin

### OTHER INFORMATION

Causes mild skin irritation  
Harmful if absorbed through skin  
May be harmful if swallowed  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

### ENGINEERING CONTROLS

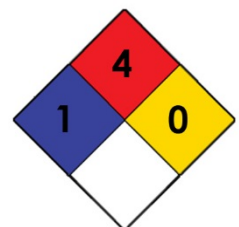
Provide good general ventilation

## CHEWING GUM REMOVER

### GHS CLASSIFICATION

Flammable Aerosols  
Gases Under Pressure

Category 1  
Liquefied gas



### GHS LABEL ELEMENTS

Signal Word

DANGER



**Symbol**

**HAZARD STATEMENT**

Extremely flammable aerosol  
Contains gas under pressure; may explode if heated

**PRECAUTIONARY STATEMENT**

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces.  
No smoking  
Do not spray on an open flame or other ignition source  
Pressurize container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

**TOXICOLOGICAL INFORMATION**

\*Eyes

\*Skin

\*Inhalation

\*Ingestion

\*Immediate, Delayed, Chronic Effects

\*Target Organs

**Symptoms of Exposure**

Contact with product may cause frostbite  
Contact with product may cause frostbite  
Nasal discomfort and coughing. May cause central nervous system depressions with nausea, headache, dizziness, vomiting, and incoordination.  
Pain, nausea, vomiting and diarrhea  
Data not available or insufficient for classification  
Central nervous system

**OTHER INFORMATION**

Wash hands and any exposed skin after handling  
Keep out of reach of children

**ENGINEERING CONTROLS**

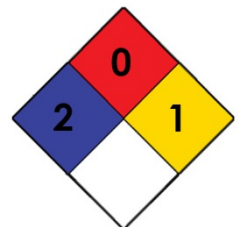
Provide good general ventilation

**CLEAN BY PEROXY**

**GHS CLASSIFICATION**

Skin Corrosion / Irritation  
Serious Eye Damage / Eye Irritation

Category 2  
Category 2A



**GHS LABEL ELEMENTS**

**Signal Word**

WARNING



**Symbol**

**HAZARD STATEMENT**

Causes serious eye irritation  
Causes skin irritation

**PRECAUTIONARY STATEMENT**

**Prevention**

Wash hands and any exposed skin thoroughly after handling  
Wear protective gloves  
Wear eye / face protection

**TOXICOLOGICAL INFORMATION**

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects
- \*Target Organ Effects

**OTHER INFORMATION**

**ENGINEERING CONTROLS**

**Symptoms of Exposure**

- Pain, redness, swelling of the conjunctiva and blurred vision
- Pain, redness and cracking of the skin
- Nasal discomfort & coughing
- Pain, nausea, vomiting, diarrhea
- Data not available or insufficient for classification
- Eyes, respiratory system, skin

- May be harmful if swallowed
- Inhalation of vapors or mist may cause respiratory irritation
- Keep out of reach of children

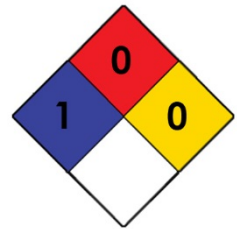
Provide good general ventilation

**CONSUME**

**GHS CLASSIFICATION**

Serious Eye Damage / Eye Irritation

Category 2A



**GHS LABEL ELEMENTS**

**Signal Word**

WARNING

**Symbol**



**HAZARD STATEMENT**

Causes serious eye irritation

**PRECAUTIONARY STATEMENT**

**Prevention**

- Wash hands and any exposed skin thoroughly after handling
- Wear protective gloves
- Wear eye / face protection

**TOXICOLOGICAL INFORMATION**

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects

**Symptoms of Exposure**

- Pain, redness, swelling of the conjunctiva and blurred vision
- Drying of the skin
- Nasal discomfort & coughing
- Pain, nausea, vomiting, diarrhea
- Data not available or insufficient for classification

**OTHER INFORMATION**

- May be harmful if swallowed
- May cause skin irritation
- Inhalation of vapors or mist may cause respiratory irritation
- This product contains living bacterial spores. Avoid contact with open wounds, broken skin or mucus membranes
- Keep out of reach of children

**ENGINEERING CONTROLS**

Provide good general ventilation

# CREW RESTROOM FLOOR & SERVICE NON-ACID DISINFECTANT CLEANER

## GHS CLASSIFICATION

Skin Corrosion / Irritation  
Serious Eye Damage / Eye Irritation

Category 1C  
Category 1



## GHS LABEL ELEMENTS

### Signal Word

DANGER

### Symbol



### HAZARD STATEMENT

Corrosive - Causes severe skin burns  
Corrosive - Causes serious eye damage  
Causes burns/ serious damage to mouth, throat and stomach

### PRECAUTIONARY STATEMENT

#### Prevention

Avoid contact with eyes, skin and clothing  
Keep container tightly closed  
Wash affected areas thoroughly after handling  
Do not breathe spray  
Wear chemical-splash goggles or face shield  
Wear chemical-resistant gloves  
Wear protective footwear

### TOXICOLOGICAL INFORMATION

#### \*Eyes

#### Symptoms of Exposure

Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision

#### \*Skin

Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed)

#### \*Inhalation

May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing

#### \*Ingestion

Causes burns / serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea

#### \*Sensitization

No known effects

### OTHER INFORMATION

Causes irreversible eye damage and skin burns  
Do not get in eyes, on skin or on clothing  
May be fatal if absorbed through skin  
Harmful if swallowed  
Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco  
Keep out of reach of children

### ENGINEERING CONTROLS

Use only with adequate ventilation

# CREW 9 SHOWER, TUB & TILE CLEANER, HC

## GHS CLASSIFICATION

Skin Corrosion / Irritation  
Serious Eye Damage / Eye Irritation  
Metal Corrosion

Category 2  
Category 1  
Category 1



## GHS LABEL ELEMENTS

### Signal Word

DANGER

### Symbol



### HAZARD STATEMENT

Causes severe skin irritation  
Causes serious eye damage  
May be corrosive to metals  
Causes burns/ serious damage to mouth, throat and stomach

### PRECAUTIONARY STATEMENT

#### Prevention

Avoid contact with eyes, skin and clothing  
Keep container tightly closed & in original container  
Wash affected areas thoroughly after handling  
Wear chemical-splash goggles or face shield  
Wear chemical-resistant gloves

### TOXICOLOGICAL INFORMATION

#### \*Eyes

#### Symptoms of Exposure

Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision

#### \*Skin

Causes skin irritation. Symptoms may include pain (which may be delayed), redness and/or discomfort

#### \*Inhalation

May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing

#### \*Ingestion

Causes burns / serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea

#### \*Sensitization

No known effects

### OTHER INFORMATION

Causes irreversible eye damage  
May be fatal if absorbed through skin  
Harmful if swallowed  
Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco  
Keep out of reach of children

### ENGINEERING CONTROLS

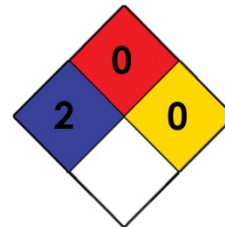
Use only with adequate ventilation

# DAMP MOP

## GHS CLASSIFICATION

Serious Eye Damage / Eye Irritation

Category 2A



## GHS LABEL ELEMENTS

Signal Word

WARNING



Symbol

## HAZARD STATEMENT

Causes serious eye irritation

## PRECAUTIONARY STATEMENT

### Prevention

Wash hands and any exposed skin thoroughly after handling  
Wear eye / face protection

## TOXICOLOGICAL INFORMATION

\*Eyes

### Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and blurred vision

\*Skin

Drying of the skin

\*Inhalation

Nasal discomfort & coughing

\*Ingestion

Pain, nausea, vomiting, diarrhea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

## OTHER INFORMATION

May be harmful if swallowed

May cause skin irritation

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

## ENGINEERING CONTROLS

Provide good general ventilation

# DUST MOP/DUST CLOTH TREATMENT (AEROSOL)

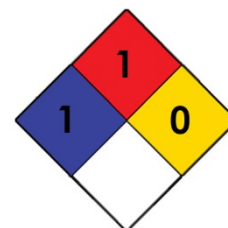
## GHS CLASSIFICATION

Flammable Aerosols

Category 1

Gases Under Pressure

Liquefied gas



## GHS LABEL ELEMENTS

Signal Word

DANGER



Symbol

## HAZARD STATEMENT

Extremely flammable aerosol

Contains gas under pressure; may explode if heated

## PRECAUTIONARY STATEMENT

### Prevention

Keep away from heat/sparks/open flames/hot surfaces.

No smoking

Do not spray on an open flame or other ignition source

Pressurize container: Do not pierce or burn, even after use



Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

### TOXICOLOGICAL INFORMATION

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects
- \*Target Organs

### Symptoms of Exposure

Pain and redness  
Drying of the skin  
Nasal discomfort and coughing.  
Pain, nausea, vomiting and diarrhea  
Data not available or insufficient for classification  
Central nervous system

### OTHER INFORMATION

Do not store in direct sunlight. Exposure to high temperature may cause containers to burst  
Keep out of reach of children

### ENGINEERING CONTROLS

Provide good general ventilation

## ENVY

### GHS CLASSIFICATION

Flammable Aerosols  
Gases Under Pressure

Category 1

### GHS LABEL ELEMENTS

#### Signal Word

DANGER

#### Symbol



### HAZARD STATEMENT

Health hazards not otherwise classified (HHNOC) - Not applicable  
Physical hazards not otherwise classified (PHNOC) - Not applicable

### PRECAUTIONARY STATEMENT

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not incinerate. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C (122 °F) which may cause bursting. Dispose of in accordance with all federal, state and local applicable regulations.

### TOXICOLOGICAL INFORMATION

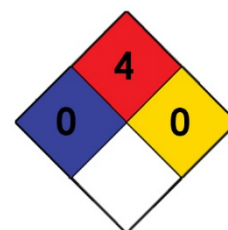
- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion

### Symptoms of Exposure

May be mildly irritating to eyes.  
Unlikely to be irritant in normal use.  
No information available.  
No information available.

### ENGINEERING CONTROLS

None known.



# FOAMY Q&A

## GHS CLASSIFICATION

Skin Corrosion / Irritation  
Serious Eye Damage / Eye Irritation  
Corrosive to Metals

Category 1  
Category 1  
Category 1



## GHS LABEL ELEMENTS

### Signal Word

DANGER

### Symbol



### HAZARD STATEMENT

Causes severe skin burns and serious eye damage  
May be corrosive to metals

### PRECAUTIONARY STATEMENT

#### Prevention

Wash hands and any exposed skin thoroughly after handling  
Do not breathe mist, vapors or spray  
Wear protective gloves  
Wear eye / face protection  
Wear protective clothing  
Keep in original or other corrosion resistant container

## TOXICOLOGICAL INFORMATION

\*Eyes

\*Skin

\*Inhalation

\*Ingestion

\*Immediate, Delayed, Chronic Effects

\*Target Organs

## Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

Pain, redness, blistering and possible chemical burn

Irritation or damage to the mucus membrane of the respiratory tract. Nasal discomfort and coughing

Damage or chemical burns to mouth, throat, and stomach.

Pain, nausea, vomiting and diarrhea

Data not available or insufficient for classification

Eyes, respiratory system, skin

## OTHER INFORMATION

Corrosive

Harmful if swallowed

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicated the use of gastric lavage

## ENGINEERING CONTROLS

Provide good general ventilation

Eye wash stations and shower facilities should be readily accessible in areas where product is handled

# GERMICIDAL BOWL CLEANSE

## GHS CLASSIFICATION

Skin Corrosion / Irritation

Serious Eye Damage / Eye Irritation

Metal Corrosion

Category 2

Category 1

Category 1



## GHS LABEL ELEMENTS

Signal Word

DANGER

Symbol



HAZARD STATEMENT

Causes irreversible eye damage

Causes irreversible skin burns

May be fatal if swallowed

May be corrosive to metals

Causes burns/ serious damage to mouth, throat and stomach

PRECAUTIONARY STATEMENT

Prevention

Avoid contact with eyes, skin and clothing

Wash affected areas thoroughly after handling

Wear chemical-splash goggles or face shield

Wear chemical-resistant gloves

Acid resistant aprons and boots are recommended

## TOXICOLOGICAL INFORMATION

\*Eyes

\*Skin

\*Inhalation

\*Ingestion

\*Immediate, Delayed, Chronic Effects

## Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

Pain, redness, swelling and tissue damage. Harmful if absorbed through skin

Nasal discomfort and coughing

Pain, nausea, vomiting and diarrhea

Data not available or insufficient for classification

## OTHER INFORMATION

May be fatal if swallowed

Inhalation of spray mist may cause respiratory harm or irritation - avoid breathing product mist

Wash thoroughly with soap and water after handling

Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicated the use of gastric lavage

## ENGINEERING CONTROLS

Provide good general ventilation

Eye wash stations and washing facilities should be readily accessible

# GP FORWARD SC GENERAL PURPOSE CLEANER

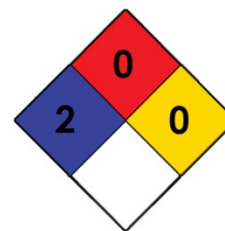
## GHS CLASSIFICATION

Skin Corrosion / Irritation

Serious Eye Damage / Eye Irritation

Category 2

Category 2A



## GHS LABEL ELEMENTS

Signal Word

WARNING



Symbol

HAZARD STATEMENT

Causes serious eye irritation

PRECAUTIONARY STATEMENT

Prevention

Wash hands and any exposed skin thoroughly after handling

Wear eye / face protection

Wear chemical resistant gloves

## TOXICOLOGICAL INFORMATION

\*Eyes

## Symptoms of Exposure

Causes serious eye irritation. Symptoms include pain, redness and watering

\*Skin

Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort

\*Inhalation

May be irritating to nose, throat and respiratory tract.

\*Ingestion

Symptoms may include coughing and difficulty breathing

May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

## OTHER INFORMATION

May be harmful if swallowed  
May cause irritation to mouth, throat and stomach  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children  
Provide good general ventilation

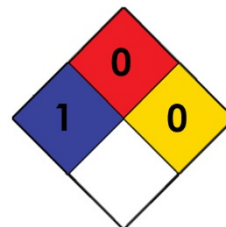
## ENGINEERING CONTROLS

# GREEN SOLUTIONS ALL PURPOSE CLEANER

## GHS CLASSIFICATION

Serious Eye Damage / Eye Irritation

Category 2A



## GHS LABEL ELEMENTS

Signal Word

WARNING



Symbol

## HAZARD STATEMENT

Causes serious eye irritation

## PRECAUTIONARY STATEMENT

Prevention

Wash hands and any exposed skin thoroughly after handling  
Wear eye / face protection

## TOXICOLOGICAL INFORMATION

\*Eyes

## Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and blurred vision

\*Skin

Drying of the skin

\*Inhalation

Nasal discomfort and coughing

\*Ingestion

Pain, nausea, vomiting and diarrhea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

## OTHER INFORMATION

May be harmful if swallowed  
Causes mild skin irritation  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

## ENGINEERING CONTROLS

Provide good general ventilation

# GS NEUTRAL DISINFECTANT CLEANER

## GHS CLASSIFICATION

Acute Toxicity – Oral

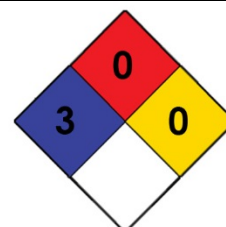
Category 4

Skin Corrosion/Irritation

Category 1

Serious Eye Damage/Eye Irritation

Category 1



## GHS LABEL ELEMENTS

Signal Word

DANGER



Symbol

**HAZARD STATEMENT**

Harmful if swallowed  
 Causes severe skin burns and serious eye damage

**PRECAUTIONARY STATEMENT****Prevention**

Wash hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe mist, vapors or spray  
 Wear protective gloves  
 Wear eye / face protection  
 Wear protective clothing

**TOXICOLOGICAL INFORMATION**

\*Eyes

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN**

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

\*Skin

Pain, redness, blistering and possible chemical burn.

\*Inhalation

Nasal discomfort and coughing.

\*Ingestion

Damage or chemical burns to mouth, throat and stomach.

\*Immediate, Delayed, Chronic Effects

Pain, nausea, vomiting and diarrhea  
 Data not available or insufficient for classification

**OTHER INFORMATION**

Corrosive

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicated the use of gastric lavage

**ENGINEERING CONTROLS**

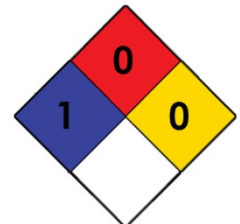
Provide good general ventilation

# GS RESTROOM CLEANER

**GHS CLASSIFICATION**

Serious Eye Damage / Eye Irritation

Category 2A

**GHS LABEL ELEMENTS****Signal Word**

WARNING

**Symbol****HAZARD STATEMENT**

Causes serious eye irritation

**PRECAUTIONARY STATEMENT****Prevention**

Wash hands and any exposed skin thoroughly after handling  
 Wear eye / face protection

**TOXICOLOGICAL INFORMATION**

\*Eyes

**Symptoms of Exposure**

Pain, redness, swelling of the conjunctiva and blurred vision

\*Skin

Drying of the skin

\*Inhalation

Nasal discomfort and coughing

\*Ingestion

Pain, nausea, vomiting and diarrhea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

**OTHER INFORMATION**

May be harmful if swallowed

Causes mild skin irritation  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

## ENGINEERING CONTROLS

Provide good general ventilation

# HALT (NOT USER PREPARED)

## GHS CLASSIFICATION

Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation

Category 2  
Category 1



## GHS LABEL ELEMENTS

### Signal Word

DANGER

### Symbol



### HAZARD STATEMENT

Causes serious eye damage  
Causes skin irritation

### PRECAUTIONARY STATEMENT

#### Prevention

Wash hands and any exposed skin thoroughly after handling  
Wear protective gloves. Wear eye / face protection.  
Wear protective clothing.

### TOXICOLOGICAL INFORMATION

\*Eyes

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

\*Skin

Pain, redness, and cracking of the skin.

\*Inhalation

Nasal discomfort and coughing.

\*Ingestion

Damage or chemical burns to mouth, throat and stomach.

Pain, nausea, vomiting and diarrhea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

### OTHER INFORMATION

Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicated the use of gastric lavage

### ENGINEERING CONTROLS

Provide good general ventilation  
If work practices generate dust, fumes, gas, vapors or mists  
Which expose workers to chemicals above the occupational  
Exposure limits, local exhaust ventilation or other engineering  
Controls should be considered.  
Eye wash stations and shower facilities should be readily  
Accessible in areas where the product is handled.

When HALT is prepared at 1:16, the product is no longer classified as hazardous by 29 CFR 1910.1200.

# LIME AWAY TOILET BOWL CLEANER - LIQUID

## GHS CLASSIFICATION

Serious Eye Damage / Eye Irritation

Category 2A



## GHS LABEL ELEMENTS

Signal Word

DANGER



Symbol

## HAZARD STATEMENT

Causes digestive tract, eye and skin burns

Causes respiratory tract irritation

## PRECAUTIONARY STATEMENT

### Prevention

Wash hands and any exposed skin thoroughly after handling

Wear eye / face protection

Wear chemical resistant, impervious gloves

Wear appropriate respirator when ventilation is inadequate and occupation exposure limits are exceeded

## TOXICOLOGICAL INFORMATION

\*Eyes

\*Skin

\*Inhalation

\*Ingestion

\*Immediate, Delayed, Chronic Effects

## Symptoms of Exposure

Corrosive. Pain, redness, swelling and tissue damage

Corrosive. Pain, redness, swelling and tissue damage

Coughing and difficulty breathing

Causes burns to mouth, throat and stomach

Data not available or insufficient for classification

## OTHER INFORMATION

May be harmful if swallowed

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicated the use of gastric lavage

## ENGINEERING CONTROLS

Use only with adequate ventilation

# M\*95

## GHS CLASSIFICATION

Acute Toxicity – Inhalation (Gases)

Category 4

Acute Toxicity – Inhalation (Dusts/Mists)

Category 3

Skin Corrosion / Irritation

Category 1

Serious Eye Damage / Eye Irritation

Category 1

Corrosive to Metals

Category 1



## GHS LABEL ELEMENTS



**Signal Word**

DANGER



**Symbol**

**HAZARD STATEMENT**

Toxic if inhaled  
Causes severe skin burns and serious eye damage  
May be corrosive to metals

**PRECAUTIONARY STATEMENT**

**Prevention**

Use only outdoors or in a well-ventilated area  
Wash hands and any exposed skin thoroughly after handling  
Do not breathe mist, vapors or spray  
Wear protective gloves  
Wear eye / face protection  
Wear protective clothing  
Keep in original or other corrosion resistant container

**TOXICOLOGICAL INFORMATION**

\*Eyes

**Symptoms of Exposure**

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

\*Skin

Pain, redness, blistering and possible chemical burn

\*Inhalation

Irritation or damage to the mucus membrane of the respiratory tract. Nasal discomfort and coughing

\*Ingestion

Damage or chemical burns to mouth, throat, and stomach.

\*Immediate, Delayed, Chronic Effects

Pain, nausea, vomiting and diarrhea

\*Target Organs

Data not available or insufficient for classification

Eyes, respiratory system, skin

**OTHER INFORMATION**

Corrosive

Harmful contact may not cause immediate pain

Harmful if absorbed through skin

Keep out of reach of children

**ENGINEERING CONTROLS**

Provide good general ventilation

Eye wash stations and shower facilities should be readily accessible in areas where product is handled

# PEROXY 4D

**GHS CLASSIFICATION**

Acute Toxicity – Oral

Category 4

Skin Corrosion / Irritation

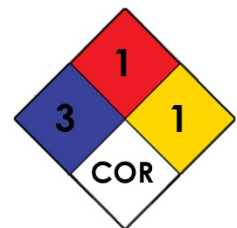
Category 1, Sub-Category B

Serious Eye Damage / Eye Irritation

Category 1

Flammable Liquids

Category 4



**GHS LABEL ELEMENTS**

**Signal Word**

DANGER



**Symbol**

## HAZARD STATEMENT

Harmful if swallowed  
Causes severe skin burns and serious eye damage  
Combustible liquid

## PRECAUTIONARY STATEMENT

### Prevention

Use only in a well-ventilated area  
Wash hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Do not breathe mist, vapors or spray  
Wear protective gloves  
Wear eye / face protection  
Wear protective clothing  
Keep away from heat, sparks, open flames and hot surfaces. NO SMOKING

## TOXICOLOGICAL INFORMATION

\*Eyes

### Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

\*Skin

Pain, redness, blistering and possible chemical burn

\*Inhalation

Nasal discomfort and coughing

\*Ingestion

Pain, nausea, vomiting and diarrhea. Contains hydrogen peroxide. Ingestion may result in distention or esophagus and stomach.

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

\*Chronic Toxicity

May cause adverse effects on bone marrow and blood-forming system. May cause adverse liver effect. Contains a known or suspected reproductive toxin.

\*Target Organs

Blood, central nervous system, eyes, liver, reproductive system, respiratory system, skin

## OTHER INFORMATION

Corrosive

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicated the use of gastric lavage

## ENGINEERING CONTROLS

Provide good general ventilation

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Eye wash stations and shower facilities should be readily accessible in areas where product is handled

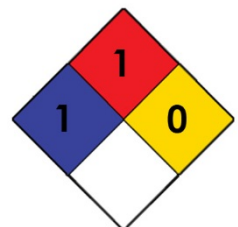
In case of fire: Use CO<sub>2</sub>, dry chemical or foam for extinction.

# PREMIUM WOOD POLISH (AEROSOL)

## GHS CLASSIFICATION

Flammable Aerosols

Category 1



Gases Under Pressure

Liquefied gas

### GHS LABEL ELEMENTS

**Signal Word**

DANGER



**Symbol**

**HAZARD STATEMENT**

Extremely flammable aerosol  
Contains gas under pressure; may explode if heated

**PRECAUTIONARY STATEMENT**

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces.  
No smoking  
Do not spray on an open flame or other ignition source  
Pressurize container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

**TOXICOLOGICAL INFORMATION**

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects

**Symptoms of Exposure**

Pain and redness  
Drying of the skin  
Nasal discomfort and coughing.  
Pain, nausea, vomiting and diarrhea  
Data not available or insufficient for classification

**OTHER INFORMATION**

Do not store in direct sunlight. Exposure to high temperature may cause containers to burst  
May cause skin irritation  
May cause eye irritation  
May be harmful if swallowed  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

**ENGINEERING CONTROLS**

Provide good general ventilation

## SC-200

**GHS CLASSIFICATION**

Skin Corrosion / Irritation  
Serious Eye Damage / Eye Irritation  
Corrosive to Metals

Category 1 Sub-Category B  
Category 1  
Category 1



**GHS LABEL ELEMENTS**

**Signal Word**

DANGER



**Symbol**

**HAZARD STATEMENT**

Causes severe skin burns and serious eye damage

## PRECAUTIONARY STATEMENT

### Prevention

May be corrosive to metals

Wash hands and any exposed skin thoroughly after handling

Do not breathe mist, vapors or spray

Wear protective gloves

Wear eye / face protection

Wear protective clothing

Keep in original or other corrosion resistant container

## TOXICOLOGICAL INFORMATION

\*Eyes

### Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

\*Skin

Pain, redness, blistering and possible chemical burn

\*Inhalation

Irritation or damage to the mucus membrane of the respiratory tract. Nasal discomfort and coughing

\*Ingestion

Damage or chemical burns to mouth, throat, and stomach.

Pain, nausea, vomiting and diarrhea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

\*Target Organs

Blood, central nervous system, eyes, hematopoietic system, kidney, liver, respiratory system, skin

## OTHER INFORMATION

Corrosive

May be harmful if swallowed

Harmful contact may not cause immediate pain

Inhalation of vapors or mist may cause respiratory irritation or damage

Harmful if absorbed through skin

Take off and destroy contaminated shoes

Keep out of reach of children

## ENGINEERING CONTROLS

Provide good general ventilation

Eye wash stations and shower facilities should be readily accessible in areas where product is handled

# SD-20 ALL PURPOSE DEGREASER (AEROSOL)

## GHS CLASSIFICATION

Serious Eye Damage / Eye Irritation

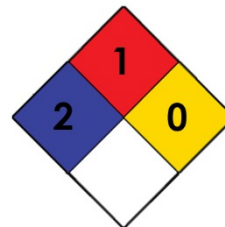
Flammable Aerosols

Gases Under Pressure

Category 2A

Category 1

Liquefied gas



## GHS LABEL ELEMENTS

### Signal Word

DANGER



### Symbol

## HAZARD STATEMENT

Causes serious eye irritation

Extremely flammable aerosol

## PRECAUTIONARY STATEMENT

### Prevention

Contains gas under pressure; may explode if heated

Wash hands and any exposed skin thoroughly after handling  
Wear eye / face protection

Keep away from heat/sparks/open flames/hot surfaces. No smoking

Do not spray on an open flame or other ignition source

Pressurize container: Do not pierce or burn, even after use

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

## TOXICOLOGICAL INFORMATION

\*Eyes

\*Skin

\*Inhalation

\*Ingestion

\*Immediate, Delayed, Chronic Effects

\*Target Organs

### Symptoms of Exposure

Pain, redness, swelling of the conjunctiva blurred vision

Drying of the skin

Nasal discomfort and coughing

Pain, nausea, vomiting and diarrhea

Data not available or insufficient for classification

Central nervous system, eyes, respiratory system, skin

## OTHER INFORMATION

May be harmful if swallowed

Causes mild skin irritation

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

## ENGINEERING CONTROLS

Provide good general ventilation

# SNB-130

## GHS CLASSIFICATION

Skin Corrosion / Irritation

Serious Eye Damage / Eye Irritation

Corrosive to Metals

Category 1 Sub-Category B

Category 1

Category 1



## GHS LABEL ELEMENTS

### Signal Word

DANGER

### Symbol



## HAZARD STATEMENT

Causes severe skin burns and serious eye damage

May be corrosive to metals

## PRECAUTIONARY STATEMENT

### Prevention

Do not breathe mist, vapors or spray

Wash hands and any exposed skin thoroughly after handling

Wear eye / face protection

Wear protective gloves

Wear protective clothing

Keep in original corrosion resistant container

## TOXICOLOGICAL INFORMATION

\*Eyes

\*Skin

\*Inhalation

\*Ingestion

\*Immediate, Delayed, Chronic Effects

\*Target Organs

## Symptoms of Exposure

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

Pain, redness, blistering and possible chemical burn  
Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing

Damage or chemical burns to mouth, throat and stomach.  
Pain, nausea, vomiting and diarrhea

Data not available or insufficient for classification

Eyes, respiratory system, skin

## OTHER INFORMATION

Corrosive

Harmful or fatal if swallowed

Harmful contact may not cause immediate pain

Inhalation of vapors or mist may cause respiratory irritation or damage

Take off and destroy contaminated shoes

Keep out of reach of children

NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate the use of gastric lavage

## ENGINEERING CONTROLS

Provide good general ventilation

Eye wash stations and shower facilities should be readily accessible in areas where the product is handled

# STAINLESS STEEL CLEANER POLISH

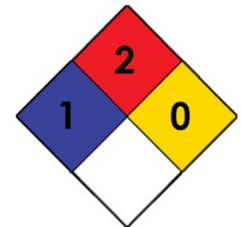
## GHS CLASSIFICATION

Flammable Aerosols

Gases Under Pressure

Category 1

Liquefied gas



## GHS LABEL ELEMENTS

Signal Word

DANGER

Symbol



HAZARD STATEMENT

Extremely flammable aerosol

Contains gas under pressure; may explode if heated

PRECAUTIONARY STATEMENT

Prevention

Keep away from heat/sparks/open flames/hot surfaces.

No smoking

Do not spray on an open flame or other ignition source

Pressurize container: Do not pierce or burn, even after use

Intentional misuse by deliberately concentrating and

inhaling contents may be harmful or fatal

## TOXICOLOGICAL INFORMATION

\*Eyes

\*Skin

## Symptoms of Exposure

Pain and redness

Drying of the skin

- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects
- \*Target Organ Effects

Nasal discomfort and coughing.  
 Pain, nausea, vomiting and diarrhea  
 Data not available or insufficient for classification  
 Central nervous system

**OTHER INFORMATION**

Do not store in direct sunlight. Exposure to high temperature may cause containers to burst  
 May cause skin irritation  
 May cause eye irritation  
 May be harmful if swallowed  
 Inhalation of vapors or mist may cause respiratory irritation  
 Keep out of reach of children

**ENGINEERING CONTROLS**

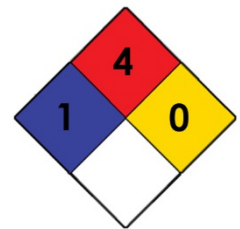
Provide good general ventilation

**STERIPHENE II BRAND DISINFECTANT DEODORANT**

**GHS CLASSIFICATION**

Flammable Aerosols  
 Gases Under Pressure

Category 1  
 Liquefied gas



**GHS LABEL ELEMENTS**

**Signal Word**

DANGER

**Symbol**



**HAZARD STATEMENT**

Extremely flammable  
 Contains gas under pressure; may explode if heated

**PRECAUTIONARY STATEMENT**

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces.  
 No smoking  
 Do not spray on an open flame or other ignition source  
 Pressurize container: Do not pierce or burn, even after use  
 Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

**TOXICOLOGICAL INFORMATION**

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects
- \*Chronic Toxicity

**Symptoms of Exposure**  
 Pain, redness, swelling of the conjunctiva  
 Pain, redness, skin irritation  
 Nasal discomfort and coughing. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal  
 Pain, nausea, vomiting and diarrhea  
 Data not available or insufficient for classification  
 May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

\*Target Organs

Blood, central nervous system, eyes, liver, reproductive system, respiratory system, skin

**OTHER INFORMATION**

May be harmful if swallowed  
May cause skin irritation  
May cause eye irritation  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

**ENGINEERING CONTROLS**

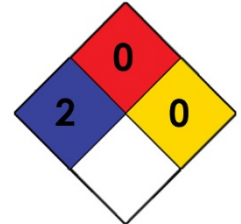
Provide good general ventilation

# TB-CIDE QUAT

**GHS CLASSIFICATION**

Serious Eye Damage / Eye Irritation

Category 2A



**GHS LABEL ELEMENTS**

**Signal Word**

WARNING



**Symbol**

**HAZARD STATEMENT**

Causes serious eye irritation

**PRECAUTIONARY STATEMENT**

**Prevention**

Wear eye / face protection  
Wash hands and any exposed skin thoroughly after handling

**TOXICOLOGICAL INFORMATION**

- \*Eyes
- \*Skin
- \*Inhalation
- \*Ingestion
- \*Immediate, Delayed, Chronic Effects

**Symptoms of Exposure**

Pain, redness, swelling of the conjunctiva and blurred vision  
Drying of the skin  
Nasal discomfort & coughing  
Pain, nausea, vomiting, diarrhea  
Data not available or insufficient for classification

**OTHER INFORMATION**

May cause skin irritation  
May be harmful if swallowed  
Inhalation of vapors or mist may cause respiratory irritation  
Keep out of reach of children

**ENGINEERING CONTROLS**

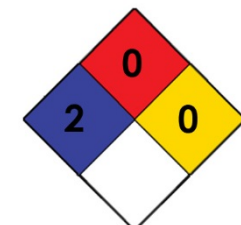
Provide good general ventilation

# TRIBASE MULTIPURPOSE CLEANER

**GHS CLASSIFICATION**

Serious Eye Damage / Eye Irritation

Category 2A



**GHS LABEL ELEMENTS**

**Signal Word**

WARNING





**Symbol**

**HAZARD STATEMENT**

Causes serious eye irritation

**PRECAUTIONARY STATEMENT**

**Prevention**

Wear eye / face protection

Wash hands and any exposed skin thoroughly after handling

**TOXICOLOGICAL INFORMATION**

**Symptoms of Exposure**

\*Eyes

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage

\*Skin

Drying of the skin

\*Inhalation

Nasal discomfort & coughing

\*Ingestion

Pain, nausea, vomiting, diarrhea

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

**OTHER INFORMATION**

May cause skin irritation

May be harmful if swallowed

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

**ENGINEERING CONTROLS**

Provide good general ventilation

# VIREX II 256 ONE-STEP DISINFECTANT CLEANER & DEODORANT

QUAT BASED DISINFECTANT

**GHS CLASSIFICATION**

Acute Oral Toxicity

Category 4

Skin Corrosion / Irritation

Category 1B

Serious Eye Damage / Eye Irritation

Category 1

Flammability

Combustible Liquid, Category 4

**GHS LABEL ELEMENTS**

**Signal Word**

DANGER



**Symbol**

**HAZARD STATEMENT**

Combustible liquid

Causes severe skin burns and serious eye damage

Causes burns / serious damage to mouth, throat and stomach

**PRECAUTIONARY STATEMENT**

**Prevention**

Wash hands and any exposed skin thoroughly after handling

Wear eye / face protection

Wear chemical resistant gloves  
Wear protective footwear  
Keep away from heat/sparks/open flames/hot surfaces. No smoking  
Keep container tightly closed  
Do not breathe spray  
Do not eat, drink or smoke when using this product  
Do not spray on an open flame or other ignition source

## TOXICOLOGICAL INFORMATION

\*Eyes

### Symptoms of Exposure

Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision

\*Skin

Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

\*Inhalation

May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

\*Ingestion

Harmful if swallowed. Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include vomiting, nausea, and/or feeling of general unwellness.

\*Immediate, Delayed, Chronic Effects

Data not available or insufficient for classification

\*Sensitization

No known effects

## OTHER INFORMATION

Combustible

Harmful if swallowed

Inhalation of vapors or mist may cause respiratory irritation

Keep out of reach of children

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage

## ENGINEERING CONTROLS

Provide good general ventilation

Eye wash stations and shower facilities should be readily accessible in areas where the product is handled



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 28-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** AIRLIFT CRANBERRY ICE (RTU HANDI SPRAY)  
**Product Number:** 3018  
**Recommended Use:** Air freshener  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**  
Not Classified

Not dangerous according to the Globally Harmonized System (GHS)

**GHS Label Elements**

**Signal Word:** No signal word

**Symbols:**

**Hazard Statements:** No hazard statements

**Precautionary Statements:**

**Prevention:** Not Applicable

**Response:**

**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable

**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause eye irritation.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
fragrance	PROPRIETARY	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Not required with expected use.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Pleasant
<b>pH:</b>	7.5-8.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.000
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain and redness.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 66247 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### **SARA 313**

This product does not contain listed substances above the "de minimus" level

#### **SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

#### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

### 16. OTHER INFORMATION

**NFPA** Health Hazards: 1 Flammability: 0 Instability: 0 Special: N/A

**HMIS** Health Hazards: 1 Flammability: 0 Physical Hazards: 0

**Revision Date:** 28-Jul-2015

**Reasons for Revision:** Section 14 and 15

#### **Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 18-May-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** AIRLIFT LEMON SCENT AIR FRESHENER (AEROSOL)  
**Product Number:** 6085  
**Recommended Use:** Air freshener  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols Category 1  
Gases Under Pressure Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

- Other Information:**
- May cause skin irritation.
  - May cause eye irritation.
  - May be harmful if swallowed.
  - Inhalation of vapors or mist may cause respiratory irritation.
  - Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
N-butane	106-97-8	7-13
petroleum distillates	64742-47-8	5-10
propane	74-98-6	3-7
petroleum distillates	64742-88-7	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water spray (fog), Foam
- Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
- Hazardous Combustion Products:** May include Carbon monoxide, Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.



**Storage Conditions:** NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

**Eye/Face Protection:** Not required with expected use.

**Skin and Body Protection:** Not required with expected use.

**Respiratory Protection:** Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	Colorless
<b>Odor:</b>	Lemon
<b>pH:</b>	6.0-8.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	78 °C / 172 °F (Product without propellant)
<b>Flash Point:</b>	< -18 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.897 (Product without propellant)
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain and redness.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.

**Target Organ Effects:** Central nervous system.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 49213 mg/kg  
 ATEmix (dermal): 20804 mg/kg  
 ATEmix (inhalation-gas): 1669319 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
petroleum distillates 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
propane 74-98-6	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
petroleum distillates 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
petroleum distillates 64742-47-8	Not Available	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	4720: 96 h Den-dronereides heteropoda mg/L LC50
petroleum distillates 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	Not Available	100: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1950  
**Proper Shipping Name:** Aerosols  
**Hazard Class:** 2.1  
**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	Yes
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 1</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 2</b>	<b>Physical Hazards: 2</b>	

**Revision Date:** 18-May-2015  
**Reasons for Revision:** No information available.

**Disclaimer:**

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**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 27-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** BH-38  
**Product Number:** 2038  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

**Skin Corrosion/Irritation:** Category 2  
**Serious Eye Damage/Eye Irritation:** Category 2A

**GHS Label Elements**

**Signal Word:**

**Warning**

**Symbols:**



**Hazard Statements:** Causes skin irritation.  
Causes serious eye irritation

**Precautionary Statements:**

**Prevention:** Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves  
Wear eye / face protection

**Response:**

**-Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
**-Skin** IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.  
**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable  
**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

- Other Information:**
- May be harmful if swallowed.
  - Harmful if absorbed through skin.
  - Inhalation of vapors or mist may cause respiratory irritation.
  - Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
sodium dodecylbenzene sulfonate	25155-30-0	1-5
2-butoxyethanol	111-76-2	1-5
diethylene glycol monobutyl ether	112-34-5	1-5
sodium tripolyphosphate	7758-29-4	1-5
trisodium phosphate	7601-54-9	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
2-butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

### Engineering Controls:

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

#### Eye/Face Protection:

Wear splash goggles.

#### Skin and Body Protection:

Wear rubber or other chemical-resistant gloves.

#### Respiratory Protection:

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

### General Hygiene Considerations:

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Liquid
Color:	Pink
Odor:	Mild
pH:	12.0-12.5
Melting Point / Freezing Point:	No information available.
Boiling Point / Boiling Range:	100 °C / 212 °F
Flash Point:	> 100 °C / > 212 °F
Evaporation Rate:	< 1
Flammability (solid, gas)	No information available.
Upper Flammability Limit:	No information available.
Lower Flammability Limit:	No information available.
Vapor Pressure:	No information available.
Vapor Density:	No information available.
Specific Gravity:	1.04
Solubility(ies):	Soluble in water
Partition Coefficient:	No information available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal conditions of use.

### Chemical Stability:

Stable under normal conditions.

### Possibility of Hazardous Reactions:

Not expected to occur with normal handling and storage.

### Conditions to Avoid:

Extremes of temperature and direct sunlight.

### Incompatible Materials:

Strong oxidizing agents. Strong acids.

### Hazardous Decomposition

May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

### Products:

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and blurred vision.
<b>-Skin Contact:</b>	Pain, redness and cracking of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
Product Information:	Data not available or insufficient for classification.
Target Organ Effects:	-Eyes. Respiratory System. -Skin. Blood. Central nervous system. hematopoietic system. kidney. Liver.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	6195 mg/kg
ATEmix (dermal):	13585 mg/kg
ATEmix (inhalation-dust/mist):	29.7 mg/l
ATEmix (inhalation-vapor):	74.2 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
sodium dodecylbenzene sulfonate 25155-30-0	= 438 mg/kg ( Rat )	Not Available	Not Available
2-butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
diethylene glycol monobutyl ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	Not Available
sodium tripolyphosphate 7758-29-4	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	Not Available
trisodium phosphate 7601-54-9	> 2000 mg/kg ( Rat )	> 2 mg/kg ( Rabbit )	> 2.16 mg/L ( Rat ) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
sodium dodecylbenzene sulfonate 25155-30-0	Not Available	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	Not Available
2-butoxyethanol 111-76-2	Not Available	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	Not Available	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
diethylene glycol monobutyl ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
sodium tripolyphosphate 7758-29-4	Not Available	1650: 48 h Leuciscus idus mg/L LC50	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.



## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:

**2-butoxyethanol**

CAS No 111-76-2 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**diethylene glycol monobutyl ether**

CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	Yes
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards: 2</b>	<b>Flammability: 0</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 2*</b>	<b>Flammability: 0</b>	<b>Physical Hazards: 0</b>	

**Revision Date:** 27-Jul-2015  
**Reasons for Revision:** Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-123

ISSUE DATE: 05/18/06

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

CAMEO ALUMINUM & STAINLESS STEEL CLEANER

Church & Dwight Co., Inc.  
469 N. Harrison Street  
Princeton, NJ 08540

Emergency Phone:  
1-609-683-5900 (USA)

Medical Emergency Phone:  
1-800-228-5635

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS Number</u>	<u>%</u>	<u>ACGIH TWA</u>	<u>OSHA TWA</u>
Nepheline Syenite	37244-96-5	80-90%	None	5 mg/m <sup>3</sup> (resp) PNOG
Sodium Silicofluoride (Inorganic Fluorides as F)	16893-85-9	1-4%	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
Starch	9005-25-8	5-8%	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Sulfamic Acid	5329-14-6	1-7%	Not Established	Not Established

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

White powder.  
May cause skin irritation.  
Eye irritant. May cause burns and corneal abrasions.  
May cause upper respiratory irritation.  
Ingestion may cause burns to the mouth, pharynx, esophagus and stomach.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this MSDS differ from the labeling requirements of the CPSC and, as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

<u>HMIS Rating</u>	
Health	1
Fire	0
Reactivity	0



## MATERIAL SAFETY DATA SHEET

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### POTENTIAL HEALTH EFFECTS

EYE: May cause severe eye irritation with possible burns and corneal abrasions.

SKIN CONTACT: May cause various severities of irritation upon prolonged, repeated or occluded contact.

INGESTION: May cause pain and burns to mucous membranes, the esophagus and stomach, with vomiting and diarrhea.

INHALATION: Exposure to high dust concentrations may cause physical discomfort of the upper respiratory tract with coughing, difficulty breathing, dryness, and sore throat.

SUBCHRONIC EFFECTS/CARCINOGENICITY: Not classified as a carcinogen by NTP, OSHA, IARC, ACGIH or NIOSH.

#### 4. FIRST AID MEASURES

SKIN: Rinse affected area with mild soap and large amounts of water until no evidence of product remains. Get medical attention if irritation persists.

EYES: Immediately rinse eyes with plenty of clean, flowing water, occasionally lifting upper and lower eyelids. Flush for at least 15 minutes. Get medical attention if pain or irritation persists.

INHALATION: Immediately move affected person from area of exposure to fresh air. Treat symptomatically and supportively. Get medical attention or contact a local poison control center. If breathing has stopped, give artificial respiration and get immediate medical attention.

INGESTION: Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. **Do not attempt to give anything orally to an unconscious person.** Treat symptomatically and supportively. Get medical attention or contact local poison control.

#### 5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLAMMABLE LIMITS:

FLASHPOINT: Not Determined

LFL: Not Determined

UFL: Not Determined

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray, fog or regular foam.

FIRE-FIGHTING INSTRUCTIONS: Move containers from area if you can do so without risk. Keep upwind and avoid breathing vapors. Use extinguishing agents suitable for surrounding fire. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Wear proper full protective equipment and a self-contained breathing apparatus (SCBA) with full face piece operated in positive pressure mode. UNUSUAL FIRE AND EXPLOSION HAZARDS: The fire hazard for this product has not been determined. The product is expected to pose a slight fire hazard when exposed to heat or flame based on the most severe hazards of the components. Dust-air mixtures may ignite or explode.



## MATERIAL SAFETY DATA SHEET

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### 6. ACCIDENTAL RELEASE MEASURES

Close off area to traffic. Wear personal protective equipment (See Section 8). Avoid generating dusts. Clean up spill immediately by mopping, washing, or vacuuming with vacuum cleaner equipped with a HEPA filter. Place collected material in clean, dry containers for disposal as regulations permit (See Section 12). Do not flush spilled material into sewer.

### 7. HANDLING AND STORAGE

Store away from incompatible materials (See Section 10). Avoid breakage or damage to packaged product.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**VENTILATION:** Provide local exhaust ventilation and dust collection systems where dusts may be generated in order to not exceed established permissible exposure limits.

**RESPIRATORY PROTECTION:** Air contamination monitoring should be conducted where dusts may be generated to ensure that workers are not exposed to harmful concentrations above the permissible exposure limits. If respiratory protection is required, wear a NIOSH approved respirator appropriate for the type of contaminants and the contamination levels found in the workplace. Clean, maintain, and fit test respirators in accordance with OSHA regulations.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves where prolonged or repeated skin contact may occur.

**EYE PROTECTION:** Dust resistant safety goggles should be worn to prevent eye contact where dusty conditions may occur.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear protective clothing where repeated or prolonged skin contact may occur. Wash or vacuum clothing which has become dusty.

**PROTECTIVE WORK/HYGIENIC PRACTICES:** No special requirements with respect to chemical workplace exposure beyond those noted above. Specific requirements with respect to equipment and applications are the responsibility of the handler/user.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White powder.

**ODOR:** None

**PHYSICAL STATE:** Solid

**pH (10% slurry):** 4.0 - 5.0

**SOLUBILITY IN WATER:** Moderate

**VAPOR PRESSURE:** Not determined

**% VOLATILES:** Negligible

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal temperatures and pressures.

**CONDITIONS TO AVOID:** Contact with incompatible materials.



## MATERIAL SAFETY DATA SHEET

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**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong acids and oxidizers, bases, chlorine, hypochlorites, cyanides, sulfides, sulfur oxides, nitrogen, and ammonia.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic oxides of sulfur and carbon, hydrofluoric acid, and fluorine.

**HAZARDOUS POLYMERIZATION:** Has not been reported to occur under normal temperatures and pressures.

### 11. HEALTH HAZARD INFORMATION

The acute health effects described below are those, which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and /or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

**EYE EFFECTS:** May cause eye irritation with burns and corneal abrasions. Substances with a pH of less than 2.0 are considered corrosive to the eyes.

**SKIN EFFECTS:** Repeated, prolonged or occluded contact may cause various severities of skin irritation.

**ACUTE ORAL EFFECTS:** May cause pain and burns to mucous membranes, the esophagus and stomach, with vomiting and diarrhea.

**INHALATION EFFECTS:** Exposure to high dust concentrations may cause physical discomfort of the upper respiratory tract with coughing, difficulty breathing, dryness and sore throat.

**CHRONIC EFFECTS:** Chronic toxicity testing has not been conducted on this product. Due to the nature and composition of this product, no chronic health effects are anticipated. However, the following effects have been reported on one the product's components:

**Sodium Silicofluoride:** Long-term exposure to concentrations above the workplace standards for inorganic fluoride compounds by inhalation may cause fluorosis.

### 12. ECOTOXICOLOGICAL INFORMATION

There is no available information on the environmental fate and effects of this material. Due caution should be exercised to avoid the accidental release of this material to aquatic or terrestrial environments.

### 13. DISPOSAL CONSIDERATIONS

Dispose of waste product in accordance with all local, state and federal environmental regulations. State and local regulations may differ from federal. Be sure to consult with appropriate agencies for specific rules.

### 14. TRANSPORTATION INFORMATION

**D.O.T. SHIPPING NAME:** Not regulated. See product name.

**D.O.T./E.P.A. HAZARD CLASS:** Not applicable

**U.N./N.A. NUMBER:** Not applicable

**HAZARDOUS SUBSTANCE/RQ:** Not applicable

**D.O.T. LABEL:** Not applicable

**D.O.T. PLACARD:** Not applicable

# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

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### 15. REGULATORY INFORMATION

The ingredients in this product are reported in the U.S. EPA TSCA Inventory List.

CERCLA (40 CFR 302.4): Components present in this product at a level which could require reporting are:

None

SARA TITLE III Section 313: Toxic chemical – None

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### 16. OTHER INFORMATION

SUPERSEDES DATE: 02/17/2006

REASON FOR REVISION: Formula change.

For additional non-emergency health, safety and environmental information telephone 609.279.7705 or write to:

Church & Dwight Co. Inc.  
R & D Technical Regulatory Affairs  
469 North Harrison Street  
Princeton, New Jersey 08543

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Issue date 05-Mar-2020

# Safety Data Sheet

Version 3

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** CHASE'S HOME VALUE SPRAY DISINFECTANT CITRUS SCENT  
**Chemical name** 7-8113-2

### Other means of identification

**Product code** FG 419-0423  
**Synonyms** Disinfectant Spray  
**Registration number(s)** 498-179

### Recommended use of the chemical and restrictions on use

**Recommended Use** For disinfection of hard, non-porous, inanimate surfaces.  
**Uses advised against** Do not spray on varnished, painted or plastic surfaces.

### Details of the supplier of the safety data sheet

**Supplier Address** Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-865-1000  
**Manufacturer Address** Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-865-1000

### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

Serious eye damage/eye irritation	Category 2A
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

#### EMERGENCY OVERVIEW

#### Warning

#### hazard statements

Causes serious eye irritation  
Flammable Aerosol  
Contains gas under pressure; may explode if heated



**Appearance** Hazy, yellow liquid

**Physical State** Aerosol

**Odor** Perfumed.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves, protective clothing, eye protection and face protection.  
 Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
 Pressurized container: Do not pierce or burn, even after use  
 Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Precautionary Statements - Storage**

Protect from sunlight. Store in a well-ventilated place  
 Do not expose to temperatures exceeding 122 °F (50 °C)

**Hazards not otherwise classified (HNOC)**

**Other Information**

- Toxic to aquatic life with long lasting effects
- 0.69% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/information on Ingredients**

**Synonyms** Disinfectant Spray.  
**Chemical Family** MIXTURES.  
**Formula** 7-8113-2  
**Chemical nature** Aqueous solution of alcohol and other active ingredients.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	45-50	*
Ethyl alcohol	64-17-5	30-35	*
N-Butane	106-97-8	10-15	*
Propane	74-98-6	1-5	*

Chemical Additions **See label for active ingredients information.**

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First aid measures**

**FIRST AID MEASURES**

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact** Wash with soap and water. If irritation develops, consult a physician .

**Inhalation** If overcome by vapor, move person to fresh air.

**Ingestion** Ingestion from an aerosol product is unlikely to occur.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Acute, Deliberate inhalation of concentrated vapor or mist may cause headaches. Prolonged and repeated contact with the eyes may cause mild irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** None needed.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Use water spray or fog; do not use straight streams.

**Specific hazards arising from the chemical**

Containers are under pressure. Temperatures above 130 °F may cause cans to burst.

**Hazardous combustion products** Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

Use personal protective equipment as required.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** CONTENTS UNDER PRESSURE. Do not puncture or incinerate cans.

**Other Information** Keep out of reach of children.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Avoid getting spray into eyes. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm

**FG 419-0423 CHASE'S HOME VALUE SPRAY DISINFECTANT CITRUS SCENT**

		(vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
N-Butane 106-97-8	STEL: 1000 ppm explosion hazard	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content, explosion hazard	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

**Skin and Body Protection** Household type gloves, if desired.

**Respiratory protection** None required if used in a well-ventilated area .

**General hygiene considerations** None required.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Perfumed.
<b>Appearance</b>	Hazy, yellow liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	clear		

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	10.5 +/- 0.5	No information available
<b>Melting point/freezing point</b>	NA	No information available
<b>Boiling point/boiling range</b>	212 °F/100 °C	No information available
<b>Flash Point</b>	Not available. This is an aerosol product for which Flame Projection is 6-8 inches without flashback. Temperatures above 120 °F may cause cans to burst.	No information available
<b>Evaporation Rate</b>	Faster than butyl acetate	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		No information available
<b>Upper flammability limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapor pressure</b>	Not available	No information available
<b>Vapor Density</b>		No information available
<b>Relative Density</b>	0.92 concentrate	No information available
<b>Water solubility</b>	completely soluble	No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

**Softening point** No information available  
**Molecular weight** No information available

**FG 419-0423 CHASE'S HOME VALUE SPRAY DISINFECTANT CITRUS SCENT**

**VOC content (%)** 51.32%  
**Density** No information available  
**Bulk Density** 8.33 Lb/gal

**10. Stability and Reactivity**

**Reactivity**  
 Not applicable No data available

**Chemical stability**  
 Stable.

**Possibility of hazardous reactions**  
 Temperatures above 130 °F may cause cans to burst with force.

**hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**  
 Temperatures above 122 °F (50 °C).

**Incompatible Materials**  
 Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**  
 Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

**Information on likely routes of exposure**

**Product Information** Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

**Inhalation** See data below.

**Eye Contact** No data available.

**Skin contact** No data available.

**Ingestion** This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	> 800000 ppm ( Rat ) 15 min

**Information on toxicological effects**

**Symptoms** See information above.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** Not known chronic effects based on available information.

**FG 419-0423 CHASE'S HOME VALUE SPRAY DISINFECTANT CITRUS SCENT**

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0.69% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**ATEmix (inhalation-gas)** 1000000  
**ATEmix (inhalation-vapor)** 16447.4 mg/l

**12. Ecological Information**

**ecotoxicity**

6.1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ethyl alcohol 64-17-5		100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

See information below.

Chemical name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

**Other adverse effects** No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes** Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**Contaminated packaging** Pressurized container: Do not pierce or burn, even after use.

Chemical name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

**14. Transport Information**

**DOT**

<b>UN/ID no</b>	Limited Quantity
<b>Proper Shipping Name</b>	Consumer Commodity
<b>Hazard Class</b>	ORM-D

**IATA**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1

**IMDG**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1

**15. Regulatory information**

**International Inventories**

**TSCA** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL** All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 313**

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Ethyl alcohol 64-17-5	X	X	X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

**U.S. EPA Label information**

**EPA Pesticide registration number** 498-179

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: May cause eye irritation. Avoid contact with the eyes and skin. Avoid breathing of spray mist. Avoid contamination of foodstuff.

**16. Other information**

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Instability</b> 1	<b>Physical and chemical properties</b> Not applicable
<b>HMIS</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 2	<b>Physical hazards</b> 1	<b>Personal Protection</b> A - Eyes protection

**Issue date** 05-Mar-2020

**Revision note**

This SDS supersedes a previous SDS dated February 01, 2016.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





Issue date 23-May-2018

# Safety Data Sheet

Version 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** CHASE'S HOME VALUE SPRAY DISINFECTANT LINEN SCENT  
**Chemical name** 7-7806-1

### Other means of identification

**Product code** FG 419-0403-1  
**Synonyms** Disinfectant Spray  
**Registration number(s)** 498-179

### Recommended use of the chemical and restrictions on use

**Recommended Use** For disinfection of hard, non-porous, inanimate surfaces.  
**Uses advised against** Do not spray on varnished, painted or plastic surfaces.

### Details of the supplier of the safety data sheet

<b>Supplier Address</b>	<b>Manufacturer Address</b>
Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121	Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121

### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

Serious eye damage/eye irritation	Category 2A
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

### EMERGENCY OVERVIEW

#### Warning

#### hazard statements

Causes serious eye irritation  
Flammable Aerosol  
Contains gas under pressure; may explode if heated



**Appearance** Hazy, yellow liquid

**Physical State** Aerosol

**Odor** Perfumed.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves, protective clothing, eye protection and face protection.  
 Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
 Pressurized container: Do not pierce or burn, even after use  
 Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Precautionary Statements - Storage**

Protect from sunlight. Store in a well-ventilated place  
 Do not expose to temperatures exceeding 122 °F (50 °C)

**Hazards not otherwise classified (HNOC)**

**Other Information**

- Toxic to aquatic life with long lasting effects
- 0.69% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/information on Ingredients**

**Synonyms** Disinfectant Spray.  
**Chemical Family** MIXTURES.  
**Formula** 7-7806-1  
**Chemical nature** Aqueous solution of alcohol and other active ingredients.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	45-50	*
Ethyl alcohol	64-17-5	30-35	*
N-Butane	106-97-8	10-15	*
Propane	74-98-6	5-10	*

Chemical Additions **See label for active ingredients information.**

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First aid measures**

**FIRST AID MEASURES**

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact** Wash with soap and water. If irritation develops, consult a physician .

**Inhalation** If overcome by vapor, move person to fresh air.

**Ingestion** Ingestion from an aerosol product is unlikely to occur.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Acute, Deliberate inhalation of concentrated vapor or mist may cause headaches. Prolonged and repeated contact with the eyes may cause mild irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** None needed.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Use water spray or fog; do not use straight streams.

**Specific hazards arising from the chemical**

Containers are under pressure. Temperatures above 130 °F may cause cans to burst.

**Hazardous combustion products** Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

Use personal protective equipment as required.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** CONTENTS UNDER PRESSURE. Do not puncture or incinerate cans.

**Other Information** Keep out of reach of children.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Avoid getting spray into eyes. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm

**FG 419-0403-1 CHASE'S HOME VALUE SPRAY DISINFECTANT LINEN SCENT**

		(vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

**Skin and Body Protection** Household type gloves, if desired.

**Respiratory protection** None required if used in a well-ventilated area .

**General hygiene considerations** None required.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Perfumed.
<b>Appearance</b>	Hazy, yellow liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	10.5 +/- 0.5	No information available
<b>Melting point/freezing point</b>	NA	No information available
<b>Boiling point/boiling range</b>	212 °F/100 °C	No information available
<b>Flash Point</b>	Not available. This is an aerosol product for which Flame Projection is 6-8 inches without flashback. Temperatures above 120 °F may cause cans to burst.	No information available
<b>Evaporation Rate</b>	Faster than butyl acetate	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		No information available
<b>Upper flammability limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapor pressure</b>	Not available	No information available
<b>Vapor Density</b>		No information available
<b>Relative Density</b>	0.92 concentrate	No information available
<b>Water solubility</b>	completely soluble	No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	51.32%

**Density** No information available  
**Bulk Density** 8.33 Lb/gal

**10. Stability and Reactivity**

**Reactivity**  
 Not applicable No data available

**Chemical stability**  
 Stable.

**Possibility of hazardous reactions**  
 Temperatures above 130 °F may cause cans to burst with force.

**hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**  
 Temperatures above 122 °F (50 °C).

**Incompatible Materials**  
 Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**  
 Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

**Information on likely routes of exposure**

**Product Information** Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

**Inhalation** See data below.

**Eye Contact** No data available.

**Skin contact** No data available.

**Ingestion** This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** See information above.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** Not known chronic effects based on available information.

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0.69% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**ATEmix (inhalation-gas)** 10000000  
**ATEmix (inhalation-vapor)** 16447.4 mg/l

**12. Ecological Information**

**ecotoxicity**

20.99% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ethyl alcohol 64-17-5		13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	10800: 24 h Daphnia magna mg/L EC50 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability**

No information available.

**Bioaccumulation**

See information below.

Chemical name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

**Other adverse effects**

No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes**

Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**Contaminated packaging**

Pressurized container: Do not pierce or burn, even after use.

Chemical name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

**14. Transport Information**

**FG 419-0403-1 CHASE'S HOME VALUE SPRAY DISINFECTANT LINEN SCENT**

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**DOT**

<b>UN/ID no</b>	Limited Quantity
<b>Proper Shipping Name</b>	Consumer Commodity
<b>Hazard Class</b>	ORM-D

**IATA**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1

**IMDG**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1
<b>Marine pollutant</b>	This product does not contain marine pollutants.

**15. Regulatory information**

**International Inventories**

**TSCA** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL** All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 313**

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Ethyl alcohol 64-17-5	X	X	X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

**U.S. EPA Label information**

**EPA Pesticide registration number** 498-179

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: May cause eye irritation. Avoid contact with the eyes and skin. Avoid breathing of spray mist. Avoid contamination of foodstuff.

**16. Other information**

<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 1	<b>Physical and chemical properties</b> Not applicable <b>Personal Protection</b> A - Eyes protection
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical hazards 1	

**Issue date** 23-May-2018

**Revision note**

This SDS supersedes a previous SDS dated April 08, 2015.

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 16-Sep-2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** CHEWING GUM REMOVER  
**Product Number:** 6445  
**Recommended Use:** Chewing gum remover  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols Category 1  
Gases Under Pressure Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
Protect from sunlight. Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

- Other Information:**
- May cause frostbite if sprayed on skin or in eyes.
  - May be harmful if inhaled
  - Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
propane	74-98-6	30-60
N-butane	106-97-8	30-60

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with lukewarm water. Clothing frozen to the skin should be thawed before being removed. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water spray (fog) Foam
- Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.
- Storage Conditions:** NFPA 30B Level 3 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** .

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

**Engineering Controls:**

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment****Eye/Face Protection:**

Not required with expected use.

**Skin and Body Protection:**

Not required with expected use.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>pH:</b>	Not applicable
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	< -18 °C / 0 °F
<b>Flash Point:</b>	< -18 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	> 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.543
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:**

This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:**

Stable under normal conditions.

**Possibility of Hazardous Reactions:**

Not expected to occur with normal handling and storage.

**Conditions to Avoid:**

Extremes of temperature and direct sunlight.

**Incompatible Materials:**

Strong oxidizing agents. Strong acids.

**Hazardous Decomposition**May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.**Products:**

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:**

Eyes, Skin, Ingestion, Inhalation.

**Symptoms of Exposure:****-Eye Contact:**

Contact with product may cause frostbite

**-Skin Contact:** Contact with product may cause frostbite  
**-Inhalation:** Nasal discomfort and coughing. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.

**Immediate, Delayed, Chronic Effects**

**Product Information:** Data not available or insufficient for classification.

**Target Organ Effects:** Central nervous system.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.  
 Data not available or insufficient for classification.

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
propane 74-98-6	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1954

**Proper Shipping Name:** Compressed gases, flammable, n.o.s

**Hazard Class:** 2.1

**This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.**

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** Yes

**Sudden release of pressure hazard:** Yes

**Reactive Hazard:** No

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**16. OTHER INFORMATION**

NFPA  
HMIS

Health Hazards: 1  
Health Hazards: 1

Flammability: 4  
Flammability: 4

Instability: 0  
Physical Hazards: 2

Special: N/A

Revision Date: 16-Sep-2014  
Reasons for Revision: No information available.

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 24-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** CLEAN BY PEROXY  
**Product Number:** 0035  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

**Skin Corrosion/Irritation:** Category 2  
**Serious Eye Damage/Eye Irritation:** Category 2A

#### GHS Label Elements

**Signal Word:**

**Symbols:**

**Warning**



**Hazard Statements:** Causes serious eye irritation  
Causes skin irritation.

#### Precautionary Statements:

**Prevention:** Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves  
Wear eye / face protection

#### **Response:**

**-Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
**-Skin** IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.  
**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable  
**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alcohol ethoxylate	34398-01-1	1-5
hydrogen peroxide	7722-84-1	1-5
alcohol ethoxylate	68439-46-3	1-5
quaternary amine	68478-94-4	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.
- Incompatible Materials:** Sodium hypochlorite (or other hypochlorites). Metals.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



**Occupational Exposure Limits:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

**Engineering Controls:**

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment****Eye/Face Protection:**

Wear splash goggles.

**Skin and Body Protection:**

Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Light blue
<b>Odor:</b>	Pleasant
<b>pH:</b>	Undiluted: 2.1-3.0 / Diluted 1:64: 3.0-4.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.014
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:**

This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:**

Stable under normal conditions.

**Possibility of Hazardous Reactions:**

Contact with sodium hypochlorite (or other hypochlorites) releases chlorine gas.

**Conditions to Avoid:**

Extremes of temperature and direct sunlight.

**Incompatible Materials:**

Sodium hypochlorite (or other hypochlorites). Metals.

**Hazardous Decomposition Products:**May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:**

Eyes, Skin, Ingestion, Inhalation.

**Symptoms of Exposure:****-Eye Contact:**

Pain, redness, swelling of the conjunctiva and blurred vision.

**-Skin Contact:** Pain, redness and cracking of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
 Product Information: Data not available or insufficient for classification.

Target Organ Effects: -Eyes. Respiratory System. -Skin.

#### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 7035 mg/kg  
 ATEmix (dermal): 39625 mg/kg  
 ATEmix (inhalation-gas): 22943 mg/l  
 ATEmix (inhalation-dust/mist): 66 mg/l

#### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
hydrogen peroxide 7722-84-1	= 801 mg/kg ( Rat )	= 4060 mg/kg ( Rat ) = 2000 mg/kg ( Rabbit )	= 2 mg/L ( Rat ) 4 h
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
hydrogen peroxide 7722-84-1	2.5: 72 h Chlorella vulgaris mg/L EC50	16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	7.7: 24 h Daphnia magna mg/L EC50 18 - 32: 48 h Daphnia magna mg/L EC50 Static

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health Hazards: 2	Flammability: 0	Instability: 1	Special: N/A
<b>HMIS</b>	Health Hazards: 2	Flammability: 0	Physical Hazards: 1	

Revision Date: 24-Jul-2015  
 Reasons for Revision: Section 14 and 15

**Disclaimer:**

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**End of Safety Data Sheet**

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# MATERIAL SAFETY DATA SHEET

MSDS#: FH/C/2006/TWTG-6N3T3C  
Supersedes: 12/06/06

Issue Date: 1/15/09

## SECTION I - CHEMICAL PRODUCT

Identity: **Food Contact Surface Sanitizer**

Brands: **CLEAN QUICK Broad Range Quaternary Sanitizer**

Hazard Rating: 3	Health: 3	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

P&G Telephone Number: 1-800-332-7787 or call local Poison Control Center or your physician.

Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300

## SECTION II - COMPOSITION AND INGREDIENTS

Ingredients listed on the product label are: Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Alkyl (C<sub>14</sub> 50%; C<sub>12</sub> 40%; C<sub>16</sub> 10%) dimethyl benzyl ammonium chloride

**Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200 (exception: water).**

Chemical Name	CAS No.	Composition Range (%)	TWA/TLV/LD50
Ethanol	64-17-5	1-4	1000 ppm (OSHA-PEL) 1000 ppm (ACGIH-TWA) LD50 7.06g/kg (oral, rat)

## SECTION III - HAZARDS IDENTIFICATION

**Potential Health Hazards (Acute and Chronic):**

Ingestion: Concentrate - Immediate burning pain in the mouth, throat, abdomen and severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions. May be fatal.

Diluted for Use per Label Directions - Mucous membrane irritant. Oral ingestion may result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea.

Eye Contact: Concentrate - Direct contact can produce severe eye damage. Corrosive.

Diluted for Use per Label Directions - May cause mild irritation.

Skin Contact: Concentrate - Direct or prolonged contact can produce severe irritation. Corrosive.

Diluted for Use per Label Directions - May cause mild skin irritation.

Inhalation: Concentrate - Solvent vapors or mist of product can produce irritation of mucous membranes. Exposure to ethyl alcohol concentrations of over 1,000 ppm may cause headache, irritation of the eyes, nose and throat, and, if prolonged, drowsiness and lassitude, loss of appetite and inability to concentrate.

Diluted for Use per Label Directions - Mucous membrane irritant.

SECTION IV - FIRST AID INFORMATION	
<b>First Aid Procedures (Concentrate):</b>	
Ingestion:	If swallowed, call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
Eye Contact:	If in eyes, immediately rinse by holding eye open and rinsing slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing.
Skin Contact:	If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>Other:</b> Product package has a precautionary statement: <b>KEEP OUT OF REACH OF CHILDREN. DANGER. CORROSIVE.</b> Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled or absorbed through the skin. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber, chemical resistant) gloves when handling. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.	

SECTION V - FIRE FIGHTING INFORMATION			
<b>Flash Point (Method Used):</b> >200°F (93°C)	<b>Explosive Limits:</b>	<i>LEL:</i> N/A	<i>UEL:</i> N/A
<b>Extinguishing Media:</b> CO <sub>2</sub> , water, alcohol foam or dry chemical			
<b>Protection for Firefighters:</b>			
Specific Hazards Arising from the Material:	Products of combustion are toxic.		
Protective Equipment and Precautions for Firefighters:	Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.		

SECTION VI - ACCIDENTAL RELEASE MEASURES
<b>Personal Precautions:</b> N/A
<b>Environmental Precautions:</b>
Waste Disposal Methods: Dispose of in compliance with all Federal, state/provincial and local laws and regulations. Incineration is the preferred method.
Container Disposal: Do not reuse empty container. Discard in trash or recycle.
<b>Methods for Containment and Cleanup in Case Large Quantities of Concentrated Material Are Released or Spilled:</b> DANGER. Corrosive material. Wear appropriate protective gear and respiratory protection where mists or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).
Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Maximum storage temperature: 140°F (60°C). Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

**Other Precautions:** N/A

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Engineering Controls (Ventilation):** In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** Wear chemical splash goggles where there is a potential for eye contact. Use safety Glasses with side shields under normal use conditions.

**Skin Protection:** Wear rubber or neoprene protective gloves to prevent skin contact.

**Respiratory Protection:** In processes where mists or vapors may be generated by the concentrated product, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

**Other Protective Equipment:** Provide suitable facilities for immediate flushing of the eyes and drenching of the body in case of contact; protective clothing (long sleeves, coveralls or other, as appropriate) to prevent skin contact.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance (color, physical form, shape):</b> Pale pink liquid	<b>Flash Point (Method Used):</b> >200°F (93°C)
<b>Odor:</b> slightly sweet	<b>Reserve Alkalinity:</b> N/A
<b>Odor Threshold:</b> N/A	<b>Solubility in Water:</b> Completely
<b>Physical State:</b> liquid	<b>Decomposition Temperature:</b> N/A
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Evaporation Rate (nBuOAc=1):</b> N/A
<b>Vapor Density (Air=1):</b> N/A	<b>Specific Gravity/Density:</b> 0.90-1.0
<b>Boiling Point:</b> N/A	<b>Melting/Freezing Point:</b> N/A
<b>Partition Coefficient (n-octanol/water):</b> N/A	<b>pH (100% solution):</b> 6-8

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** None known

**Materials to Avoid:** Strong oxidizing or reducing agents

**Hazardous Decomposition Products:** Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

**Possible Hazardous Reactions/Conditions/By Products:** None known

**Hazardous Polymerization:** Will not occur

**Other Recommendations:** None

**SECTION XI - TOXICOLOGICAL INFORMATION**

LD50 (rat): approx. 2000 mg/kg

**SECTION XII - ECOLOGICAL INFORMATION**

N/A

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Disposal should be in accordance with Federal, state/provincial and local regulations. Incineration is the preferred method.

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

**SECTION XIV - TRANSPORT INFORMATION**

**DOT Classification:** This material is regulated by the US Department of Transportation.

For finished packaged product transported by ground: **ORM-D Consumer Commodity.**

For finished packaged product transported by sea: **Disinfectants, liquid, corrosive, n.o.s., (quaternary ammonium compounds) 8, UN1903, PG III, Ltd Qty.**

For finished packaged product transported by air: **DO NOT SHIP. Finished product packaging does not meet air transport requirements.**

**SECTION XV - ADDITIONAL REGULATORY INFORMATION****FEDERAL REGULATIONS:**

This is an EPA FIFRA registered pesticide (EPA Registration No. 6836-278-3573 / CDPR 6836-278-AA-3573).

All intentionally-added components of this product are listed on the US TSCA Inventory.

This product is not subject to warning labeling under California Proposition 65.

Procter & Gamble's importation of this product into Canada is in compliance with all CEPA NSN Regulations. This product has been classified with the Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Controlled Products Regulation.

**SECTION XVI - OTHER INFORMATION**

\*N/A. - Not Applicable

\*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.



**1. IDENTIFICATION**

<b>Product Name</b>	Comet® Deodorizing Cleanser with Chlorinol®
<b>Product Code(s)</b>	3-10
<b>Product ID:</b>	15885959_PROF_NG
<b>Product Type:</b>	Finished Product - Professional Use Only
<b>Recommended Use</b>	Hard Surface Cleaner
<b>Restrictions on Use</b>	Do not mix with other cleaning products or chemicals as irritating fumes may be formed.
<b>Manufacturer</b>	Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

**2. HAZARD IDENTIFICATION**

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

<b>Hazard Category</b>	
<b>Eye Damage / Irritation</b>	Category 2B
<b>Signal Word</b>	WARNING
<b>Hazard Statements</b>	Causes eye irritation
<b>Hazard pictograms</b>	None
<b>Precautionary Statements - Prevention</b>	Wash hands thoroughly after handling Do not mix with other cleaning products or chemicals as irritating fumes may be formed
<b>Precautionary Statements - Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water

**Precautionary Statements - Storage** None

**Precautionary Statements - Disposal** None

**Hazards not otherwise classified (HNOC)** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Limestone	-	No	1317-65-3	40 - 100
Sodium carbonate	-	No	497-19-8	5 - 10
Calcium hydroxide (Ca(OH) <sub>2</sub> )	-	No	1305-62-0	1 - 5
Troclosene sodium, dihydrate	-	No	51580-86-0	1 - 5
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	-	No	68081-81-2	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

**Methods for containment** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** Do not mix with other cleaning products or chemicals as irritating fumes may be formed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Limestone	1317-65-3		TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	TWA: 5 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> not in effect as a result of reconsideration	Mexico: TWA 5 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Limestone	1317-65-3	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

### Exposure controls

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**

No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**

Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**

No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**

Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**

No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**

Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**

No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**

In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State @20°C** solid  
**Appearance** white  
**Odor** Pine  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH value</b>	12.3	(as 1% solution)
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash point</b>	No information available	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	15%	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity of Product</b>	No information available	

**VOC Content (%)** Products comply with US state and federal regulations for VOC content in consumer products.

## 10. STABILITY AND REACTIVITY

**Reactivity** None under normal use conditions.

**Stability** Stable under normal conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

**Conditions to Avoid** None under normal processing.

**Materials to avoid** Do not mix with other cleaning products or chemicals as irritating fumes may be formed.

**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

**Information on likely routes of exposure**

**Inhalation** No known effect.  
**Skin contact** No known effect.  
**Ingestion** No known effect.  
**Eye contact** Irritating to eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Acute toxicity** No known effect.  
**Skin corrosion/irritation** No known effect.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Skin sensitization** No known effect.  
**Respiratory sensitization** No known effect.  
**Germ cell mutagenicity** No known effect.  
**Neurological Effects** No known effect.  
**Reproductive toxicity** No known effect.  
**Developmental toxicity** No known effect.  
**Teratogenicity** No known effect.  
**STOT - single exposure** No known effect.  
**STOT - repeated exposure** No known effect.  
**Target Organ Effects** No known effect.  
**Aspiration hazard** No known effect.  
**Carcinogenicity** No known effect.

**Component Information**

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	497-19-8	2800 mg/kg bw (Guideline not indicated; rat)	> 2000 mg/kg bw (EPA 16 CFR 1500.40; rabbit)	-
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	> 2000 mg/kg bw (OECD 425; rat)	> 2500 mg/kg bw (EU Method B.3 and OECD 402; rabbit)	-
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	1090.00 mg/kg (rat)	-	-

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

<b>Waste from Residues / Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>California Hazardous Waste Codes (non-household setting)</b>	331

### 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

##### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### **California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Limestone	1317-65-3	X
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	X
Troclosene sodium, dihydrate	51580-86-0	X

Chemical Name	CAS-No	Massachusetts
Limestone	1317-65-3	X
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	X
Troclosene sodium, dihydrate	51580-86-0	X

Chemical Name	CAS-No	Pennsylvania
Limestone	1317-65-3	X
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	X
Troclosene sodium, dihydrate	51580-86-0	X

**International Inventories**

**United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**HMIS Ratings**

Health hazard                    2  
 Flammability                    0  
 Physical hazard                0

**NFPA Ratings**

Health hazard                    2  
 Flammability                    0  
 Instability                        0

**Issuing Date:**                    09-Jan-2015

**Revision Date:**                 07-Apr-2015

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of SDS**

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**Safety Data Sheet**  
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS HCS 2012

Trade name: Concept "915"

### 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Concept "915"      ST-717
- **Article number:** GL55
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Basic Floor Cleaner. Removes Ice Melt Residue.

**Product dilution information:** 5 fl. oz. (147.85 mL) per 3-5 gallons of water.

- **1.3 Details of the supplier of the Safety Data Sheet**

Stearns Packaging Corporation  
4200 Sycamore Avenue (53714)  
PO Box 3216  
Madison, WI 53704-0216  
Phone: 800-655-5008  
Email: [stearns@stearnspkg.com](mailto:stearns@stearnspkg.com)  
Website: [www.stearnspkg.com](http://www.stearnspkg.com)


- **1.4 Emergency telephone number:**

ChemTel Inc.  
(800)255-3924, +1 (813)248-0585


### 2 Hazards identification

- **2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**

Product as SOLD	Product at USE DILUTION
 GHS05 corrosion Eye Dam. 1    H318 Causes serious eye damage.	Not classified.  Not classified.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 Xi R41: Risk of serious damage to eyes.	Not classified.
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- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	The mixture does not meet the criteria for classification.
------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------

- **Classification system:**


The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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• 2.2 Label elements	
• Labeling according to Regulation (EC) No 1272/2008	
Product as SOLD	Product at USE DILUTION
The product is classified and labeled according to the CLP regulation.	The mixture does not meet the criteria for classification.
• Hazard pictograms	
 GHS05	None
• <b>Signal word</b> Danger	No signal word.
• Hazard-determining components of labelling:	
tetrasodium ethylenediaminetetraacetate	Not applicable.
• Hazard statements	
H318 Causes serious eye damage.	Avoid contact with eyes.
• Precautionary statements	
P280 Wear eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor.	Keep out of reach of children.

### 3 Composition/information on ingredients

• 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:		
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	tetrasodium ethylenediaminetetraacetate  Xn R22;  Xi R41 -----  Eye Dam. 1, H318  Acute Tox. 4, H302	<25%

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

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#### 4 First-aid measures

##### • 4.1 Description of first aid measures

Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> <li>• <b>General information:</b> Immediately remove any clothing soiled by the product.</li> </ul>	No special measures required.
<ul style="list-style-type: none"> <li>• <b>After inhalation:</b> Supply fresh air; consult doctor in case of complaints.</li> </ul>	No special measures required. Treat symptomatically.
<ul style="list-style-type: none"> <li>• <b>After skin contact:</b> If skin irritation occurs, rinse with water for a few minutes. Seek immediate medical attention if irritation persists.</li> </ul>	No known effect after skin contact. Rinse with water for a few minutes.
<ul style="list-style-type: none"> <li>• <b>After eye contact:</b> Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.</li> </ul>	No known effect after eye contact. Rinse with water for a few minutes. If irritation persists, get medical attention.
<ul style="list-style-type: none"> <li>• <b>After swallowing:</b> Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.</li> </ul>	Get medical attention if symptoms occur.
<ul style="list-style-type: none"> <li>• <b>4.2 Most important symptoms and effects, both acute and delayed</b> Caustic effect on eyes. Cramp Gastric or intestinal disorders.</li> </ul>	No known effects.
<ul style="list-style-type: none"> <li>• <b>Hazards</b> Danger of severe eye injury.</li> </ul>	No known effects.
<ul style="list-style-type: none"> <li>• <b>4.3 Indication of any immediate medical attention and special treatment needed</b></li> </ul>	
Treat symptomatically.	Treat symptomatically.

#### 5 Fire-fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** No further relevant information available.

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Trade name: Concept "915"

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## 6 Accidental release measures

### • 6.1 Personal precautions, protective equipment and emergency procedures

Product as SOLD	Product at USE DILUTION
Wear eye protection.	Use personal protective equipment as required.

### • 6.2 Environmental precautions:

No special measures required.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.
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### • 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13. Clean the affected area carefully; suitable cleaners are: Warm water.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------

### • 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
----------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

## 7 Handling and storage

### • 7.1 Precautions for safe handling

Product as SOLD	Product at USE DILUTION
Prevent formation of aerosols. Avoid splashes or spray in enclosed areas.	No special measures required.

### • Information about fire - and explosion protection:

No special measures required.	No special measures required.
-------------------------------	-------------------------------

### • 7.2 Conditions for safe storage, including any incompatibilities

#### • Storage:

#### • Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.	Keep out of reach of children.
------------------------------------------------------------------	--------------------------------

#### • Information about storage in one common storage facility:

Store away from foodstuffs. Store away from oxidizing agents. Do not store together with acids.	No storage precautions necessary.
-------------------------------------------------------------------------------------------------------	-----------------------------------

#### • Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles. Protect from freezing.	No storage precautions necessary.
-------------------------------------------------------------------------------------	-----------------------------------

### • 7.3 Specific end use(s) No further relevant information available.

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## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

Product as SOLD

Product at USE DILUTION

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.  
 Do not inhale gases / fumes / aerosols.  
 Clean skin thoroughly immediately after handling the product.

Not required under normal conditions of use.

- **Respiratory protection:**

Not required under normal conditions of use.  
 For spills, respiratory protection may be advisable.

A respirator is not required under normal and intended conditions of use.

- **Protection of hands:**

No protective equipment is needed under normal conditions.

No protective equipment is needed under normal conditions.

- **Eye protection:**

Contact lenses should not be worn without eye protection.



Safety glasses

No protective equipment is needed under normal conditions.

- **Body protection:**

No protective equipment is needed under normal conditions.

No protective equipment is needed under normal conditions.

- **Limitation and supervision of exposure into the environment**

No further relevant information available.

No further relevant information available.

- **Risk management measures**

See Section 7 for additional information.  
 No further relevant information available.

See Section 7 for additional information.  
 No further relevant information available.

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**9 Physical and chemical properties**

	Product as SOLD	Product at USE DILUTION
<b>• 9.1 Information on basic physical and chemical properties</b>		
<b>• General Information</b>		
<b>• Appearance:</b>		
Form:	Liquid	Liquid
Color:	Green	Faint green
• Odor:	Sassafras	Faint Sassafras
• Odor threshold:	Not determined.	Not determined.
• pH-value at 20 °C:	12.0-13.0	9.0-10.0
<b>• Change in condition</b>		
Melting point/Melting range:	Undetermined.	Not applicable.
Boiling point/Boiling range:	Undetermined.	100° C / 212° F
• Flash point:	Not applicable.	Not determined.
• Flammability (solid, gaseous):	Not determined.	Not applicable.
• Ignition temperature:	Not determined.	Not applicable.
• Decomposition temperature:	Not determined.	Not determined.
• Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
• Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
<b>• Explosion limits:</b>		
Lower:	Not determined.	Not determined.
Upper:	Not determined.	Not determined.
• Vapor pressure at 20 °C:	23 hPa	Not determined.
• Density at 20 °C:	1.08 g/cm <sup>3</sup>	1.00 g/cm <sup>3</sup>
• Relative density	Not determined.	Not determined.
• Vapor density	Not determined.	Not determined.
• Evaporation rate	Not determined.	Not determined.
• Solubility in / Miscibility with water:	Fully miscible.	Complete
• Partition coefficient (n-octanol/water):	Not determined.	Not determined.
<b>• Viscosity:</b>		
Dynamic:	Not applicable.	Not determined.
Kinematic:	Not applicable.	Not determined.
• 9.2 Other information	No further relevant information available.	No further relevant information available.

**10 Stability and reactivity**

- 10.1 Reactivity Not determined.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used and stored according to specifications.

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- **10.3 Possibility of hazardous reactions**  
Reacts with strong oxidizing agents.  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with strong acids.  
Reacts with certain metals.
- **10.4 Conditions to avoid**  
Store away from oxidizing agents.  
Keep away from heat and direct sunlight.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

### 11 Toxicological information

#### • 11.1 Information on toxicological effects

Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> <li>• <b>Acute toxicity:</b> &gt;3,030 mg./kg., Oral LD50</li> </ul>	Non-toxic at use-dilution.
<ul style="list-style-type: none"> <li>• <b>Primary irritant effect:</b></li> </ul>	
<ul style="list-style-type: none"> <li>• <b>on the eye:</b> Strong caustic effect.</li> </ul>	Direct contact with eyes may cause temporary irritation.
<ul style="list-style-type: none"> <li>• <b>Sensitization:</b> No sensitizing effects known.</li> </ul>	No sensitizing effects known.
<ul style="list-style-type: none"> <li>• <b>Additional toxicological information:</b></li> </ul>	
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:	
Swallowing may result in nausea, vomiting, diarrhea, and abdominal pain.	Not classified

### 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** After neutralization a reduction of the harming action may be recognized
- **Additional ecological information:**
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralized.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous. Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.  
This statement was deduced from the properties of the single components.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Water Hazard Class (Self-classification) in the concentrate.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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## Safety Data Sheet

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GHS HCS 2012

Trade name: Concept "915"

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### 13 Disposal considerations

#### • 13.1 Waste treatment methods

Product as SOLD	Product at USE DILUTION
<b>• Recommendation</b> Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.	
<b>• Uncleaned packaging:</b> <b>• Recommendation:</b> Disposal must be made according to official regulations. <b>• Recommended cleansing agents:</b> Water, if necessary together with cleansing agents.	
	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

### 14 Transport information

#### Product as SOLD

<b>• 14.1 UN-Number</b> <b>• DOT, ADR, ADN, IMDG, IATA</b>	N/A
<b>• 14.2 UN proper shipping name</b> <b>• DOT, ADR, ADN, IMDG, IATA</b>	Cleaning Compounds, NOI, liquid.
<b>• 14.3 Transport hazard class(es)</b> <b>• DOT, ADR, ADN, IMDG, IATA</b> <b>• Class</b>	N/A
<b>• 14.4 Packing group</b> <b>• DOT, ADR, IMDG, IATA</b>	N/A
<b>• 14.5 Environmental hazards:</b> <b>• Marine pollutant:</b>	No
<b>• 14.6 Special precautions for user</b>	Not applicable.
<b>• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>• UN "Model Regulation":</b>	Cleaning Compounds, NOI, liquid.
<b>Product at USE DILUTION</b> Not intended for transport.	

### 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

Product as SOLD	Product at USE DILUTION
<b>• Section 313 (Specific toxic chemical listings):</b> None of the ingredients is listed.	
<b>• TSCA (Toxic Substances Control Act):</b> All ingredients are listed.	
	None of the ingredients is listed.
	All ingredients are listed.

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Product as SOLD	Product at USE DILUTION
<b>• Proposition 65 (California):</b>	
<b>• Chemicals known to cause cancer:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Chemicals known to cause developmental toxicity:</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Carcinogenic Categories</b>	
<b>• EPA (Environmental Protection Agency)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• IARC (International Agency for Research on Cancer)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• TLV (Threshold Limit Value established by ACGIH)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Canada</b>	
<b>• Canadian Domestic Substances List (DSL)</b>	
All ingredients are listed.	All ingredients are listed.
<b>• Canadian Ingredient Disclosure list (limit 0.1%)</b>	
None of the ingredients is listed.	None of the ingredients is listed.
<b>• Canadian Ingredient Disclosure list (limit 1%)</b>	
None of the ingredients is listed.	None of the ingredients is listed.

**• 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## Safety Data Sheet

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(Contd. from page 9)



### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Relevant phrases**

H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

-----  
R22 Harmful if swallowed.  
R35 Causes severe burns.  
R36 Irritating to eyes.  
R41 Risk of serious damage to eyes.

Product as SOLD	Product at USE DILUTION																
<b>• Hazardous Material Information System (U.S.A.)</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #000080; color: white;">Health</td><td style="text-align: center;">2</td></tr> <tr><td style="background-color: #800000; color: white;">Flammability</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #808000; color: white;">Physical hazards</td><td style="text-align: center;">0</td></tr> <tr><td> </td><td> </td></tr> </table> <p>4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant</p>	Health	2	Flammability	0	Physical hazards	0			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #000080; color: white;">Health</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #800000; color: white;">Flammability</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #808000; color: white;">Physical hazards</td><td style="text-align: center;">0</td></tr> <tr><td> </td><td> </td></tr> </table> <p>4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant</p>	Health	0	Flammability	0	Physical hazards	0		
Health	2																
Flammability	0																
Physical hazards	0																
Health	0																
Flammability	0																
Physical hazards	0																
<b>• NFPA ratings (scale 0 - 4)</b>																	
 <p>Health = 2 Fire = 0 Reactivity = 0</p>	 <p>Health = 0 Fire = 0 Reactivity = 0</p>																

MSDS File Name: GL55 Concept 915 SDS

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LD50: Lethal dose, 50 percent

• **Sources**

SDS Prepared by:  
ChemTel Inc.  
1305 North Florida Avenue  
Tampa, Florida USA 33602-2902  
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573  
Website: [www.chemtelinc.com](http://www.chemtelinc.com)

**Revision: 07/24/2014**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 29-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** CONSUME  
**Product Number:** 3097 , 3197  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A

**GHS Label Elements**

**Signal Word:**

**Symbols:**

**Warning**



**Hazard Statements:**

Causes serious eye irritation

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves  
Wear eye / face protection

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- This product contains living bacterial spores. Avoid contact with open wounds, broken skin or mucus membranes.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alcohol ethoxylate	68439-46-3	1-5
bacterial spores	PROPRIETARY	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention. Apply a topical antiseptic agent to open wounds or broken skin.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
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<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Green
<b>Odor:</b>	Pleasant
<b>pH:</b>	8.0-9.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.00
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and blurred vision.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 46548 mg/kg  
ATEmix (dermal): 67559 mg/kg

#### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### SARA 313

This product does not contain listed substances above the "de minimus" level

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

### California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

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<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Physical Hazards: 0</b>	

**Revision Date:** 29-Jul-2015  
**Reasons for Revision:** Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 30-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** CONSUME DROP-IN-A-DRAIN  
**Product Number:** 3205  
**Recommended Use:** Drain treatment  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**  
Not Classified

Not dangerous according to the Globally Harmonized System (GHS)

**GHS Label Elements**

**Signal Word:** No signal word  
**Symbols:** None  
**Hazard Statements:** No hazard statements

**Precautionary Statements:**

**Prevention:** Not Applicable

**Response:**

**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable

**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May cause skin irritation.
- May cause eye irritation.
- May be harmful if swallowed.
- This product contains living bacterial spores. Avoid contact with open wounds, broken skin or mucus membranes.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
wheat bran	116469-86-4	15-40
rice hulls	NOT APPLICABLE	15-40
sodium bicarbonate	144-55-8	15-40

viable bacterial cultures	PROPRIETARY	0.1-1
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Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention. Apply a topical antiseptic agent to open wounds or broken skin.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water spray (fog), Carbon dioxide, Foam
<b>Specific Hazards Arising from the Chemical:</b>	Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Not required with expected use.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Water soluble packet
<b>Color:</b>	Tan
<b>Odor:</b>	No information available.
<b>pH:</b>	6.5-8.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	No information available.
<b>Flash Point:</b>	No information available.
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	No information available.
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Bulk Density:</b>	0.7 gm/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain and redness.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 4220 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
sodium bicarbonate 144-55-8	= 4220 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
sodium bicarbonate 144-55-8	Not Available	8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	2350: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non-Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**Proper Shipping Name:** Non-Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

### 16. OTHER INFORMATION

**NFPA** Health Hazards: 1 Flammability: 0 Instability: 0 Special: N/A

**HMIS** Health Hazards: 1 Flammability: 0 Physical Hazards: 0

**Revision Date:** 30-Jul-2015

**Reasons for Revision:** No information available.

**Disclaimer:**

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**End of Safety Data Sheet**

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## Crew Restroom Floor & Surface Non-Acid Disinfectant Cleaner

Version Number: 6

Preparation date: 2015-05-14

### 1. IDENTIFICATION

**Product name:** Crew Restroom Floor & Surface Non-Acid Disinfectant Cleaner  
**Product Code:** 100845662, 100849197, 100875413, 100877915, 100877916  
**SDS #:** MS0800319  
**Recommended use:**

- Disinfectant
- Cleaning product
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters  
 Diversey, Inc.  
 P.O. Box 19747  
 Charlotte, NC 28219-0747  
 Phone: 1-888-352-2249  
 SDS Internet Address: [www.diversey.com](http://www.diversey.com)

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

**Classification for the undiluted product**

Skin corrosion/irritation Category 1C  
 Serious eye damage/eye irritation Category 1



**Signal Word:** Danger.

**Precautionary Statements**

**CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE.**

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Do not breathe spray. Wash affected areas thoroughly after handling. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

### Classification for the diluted product @ 1:64

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

### Precautionary Statements

None required.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Classified Ingredients

Ingredient(s)	CAS #	Weight %
Alcohol ethoxylates	68131-39-5	1% - < 3%
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	1% - < 3%
Octyl decyl dimethyl ammonium chloride	32426-11-2	1% - < 3%
Ethyl alcohol	64-17-5	1% - < 3%
Tetrasodium salt of EDTA	64-02-8	1% - < 3%
Diocetyl dimethyl ammonium chloride	5538-94-3	> 0.1% - < 1%

\*Exact percentages are being withheld as trade secret information

## 4. FIRST AID MEASURES

### Undiluted Product:

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

### Diluted Product:

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

## 5. FIRE-FIGHTING MEASURES

**Specific methods:**

No special methods required

**Suitable extinguishing media:**

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:**

None known.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:**

Clean-up methods - large spillage. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Use appropriate containment to avoid environmental contamination. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.



## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Store in a cool, dry, well ventilated area away from heat or open flame. Keep out of the reach of children.

**Aerosol Level (if applicable) :** Not applicable

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

Ingredient(s)	CAS #	ACGIH	OSHA
Alcohol ethoxylates	68131-39-5	-	-
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	-	-
Octyl decyl dimethyl ammonium chloride	32426-11-2	-	-
Ethyl alcohol	64-17-5	1000 ppm (STEL)	1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)
Tetrasodium salt of EDTA	64-02-8	-	-
Diocetyl dimethyl ammonium chloride	5538-94-3	-	-

### Undiluted Product:

#### Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

#### Personal Protective Equipment

<b>Eye protection:</b>	Chemical-splash goggles.
<b>Hand protection:</b>	Chemical-resistant gloves. Includes. Neoprene gloves.
<b>Skin and body protection:</b>	If major exposure is possible, wear suitable protective clothing and footwear.
<b>Respiratory protection:</b>	If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Diluted Product:

#### Personal Protective Equipment

<b>Eye protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hand protection:</b>	No personal protective equipment required under normal use conditions.
<b>Skin and body protection:</b>	No personal protective equipment required under normal use conditions.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Liquid

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Solubility in other solvents:** No information available

**Density:** 8.42 lbs/gal 1.01 Kg/L

**Bulk density:** No information available

**Flash point:** > 200 °F > 93.3 °C

**Dilution Flash Point:** > 200 °F > 93.3 °C

**Elemental Phosphorus:** 0.0 % by wt.

**pH:** 7.0

**Dilution pH:** 7.0 @ 1:64

**Metal Corrosion:** Not determined

**Explosion limits:** - upper: Not determined - lower: Not determined

**Color:** Green

**Odor:** Fresh

**Boiling point/range:** Not determined

**Decomposition temperature:** No information available

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.01

**Vapor density:** No information available

**Vapor pressure:** No information available.

**Partition coefficient (n-octanol/water):** No information available

**Viscosity:** No information available

**VOC:** 1.3 % \*

**VOC % by wt. at use dilution** 0.02 % \*

**Flammability (Solid or Gas):** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not Applicable  
**Stability:** The product is stable  
**Hazardous decomposition products:** None known.  
**Materials to avoid:** Oxidizing agents.  
**Conditions to avoid:** Do not freeze.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**  
 Eye contact, Skin contact, Inhalation, Ingestion

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Carcinogen Listings: Statment per route of exposure or specific component**

Ingredient(s)	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5		-	

**Numerical measures of toxicity**

**ATE - Oral (mg/kg):** >5000

**ATE - Dermal (mg/kg):** >5000

**ATE - Inhalatory, mists (mg/l):** >20

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** Not Regulated

**RCRA Hazard Class (diluted product):** Not Regulated

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, **only available through Internet Explorer**, <http://naextranet.diverse.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** LTD. QTY.

**IMDG (Ocean) Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA).

### U.S. Regulations

**EPA Reg. No. :** 1839-169-70627

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**DANGER: KEEP OUT OF REACH OF CHILDREN. CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

### RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Alcohol ethoxylates	68131-39-5	-	-	-	-
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	-	-	-	-
Octyl decyl dimethyl ammonium chloride	32426-11-2	-	-	-	-
Ethyl alcohol	64-17-5	X	X	X	-
Tetrasodium salt of EDTA	64-02-8	-	-	-	-
Diocetyl dimethyl ammonium chloride	5538-94-3	-	-	-	-
Didecyl dimethyl ammonium chloride	7173-51-5	-	-	-	-

### CERCLA/ SARA

#### SARA 311/312 Hazard Categories

**Immediate:** x  
**Delayed:** -  
**Fire:** -  
**Reactivity:** -  
**Sudden Release of Pressure:** -

### Canadian Regulations

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

**Health** 3  
**Flammability** 0  
**Instability** 0

**Version Number:** 6  
**Preparation date:** 2015-05-14

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** • Contains an added fragrance, see "Odor" heading in section 9 for specific description

**Crew Restroom Floor & Surface Non-Acid Disinfectant Cleaner**

5 of 6

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## Crew 9 Shower, Tub & Tile Cleaner HC

Version Number: 5

Preparation date: 2015-03-18

### 1. IDENTIFICATION

**Product name:** Crew 9 Shower, Tub & Tile Cleaner HC  
**Product Code:** 93063453, 93063461, 95220328, 95970284, 100828357, 100875412, 100877913, 100877914  
**SDS #:** MS0800270  
**Recommended use:**

- Restroom Care
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters Diversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-1964 Phone: 1-888-352-2249 MSDS Internet Address: www.diversey.com	Canadian Headquarters Diversey, Inc. - Canada 3755 Laird Road Mississauga, Ontario L5L 0B3 Phone: 1-800-668-3131
------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Metal Corrosion:	Category 1

**Signal Word:****Danger.**

#### Precautionary Statements

##### CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. MAY BE CORROSIVE TO METALS.

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Keep only in original container. Wash affected areas thoroughly after handling. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Take off contaminated clothing and wash it before reuse. Absorb spillage to prevent material damage. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

### Classification for the diluted product @ 1:40

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and current Canadian Controlled Products Regulations (CPR).

### Precautionary Statements

None required.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Classified Ingredients

Ingredient(s)	CAS #	Weight %
Urea hydrochloride	506-89-8	20 - 30%
Alcohol ethoxylates	68439-46-3	10 - 20%
$\beta$ -Alanine, N-(2-carboxyethyl)-N-dodecyl-, sodium salt	14960-06-6	1% - < 3%

\*Exact percentages are being withheld as trade secret information

## 4. FIRST AID MEASURES

### Undiluted Product:

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

### Diluted Product:

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

## 5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required.

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation.

Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. May react to release hazardous gases. Corrosive to steel and aluminum. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

**Aerosol Level (if applicable) :** Not applicable

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Urea hydrochloride	506-89-8	-	-
Alcohol ethoxylates	68439-46-3	-	-
β-Alanine, N-(2-carboxyethyl)-N-dodecyl-, sodium salt	14960-06-6	-	-

**Undiluted Product:**

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

**Personal Protective Equipment**

- Eye protection:** Chemical-splash goggles.
- Hand protection:** Chemical-resistant gloves.
- Skin and body protection:** No personal protective equipment required under normal use conditions.
- Respiratory protection:** No personal protective equipment required under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Personal Protective Equipment**

- Eye protection:** No personal protective equipment required under normal use conditions.
- Hand protection:** No personal protective equipment required under normal use conditions.
- Skin and body protection:** No personal protective equipment required under normal use conditions.
- Respiratory protection:** No personal protective equipment required under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

- |                                                                          |                                                                          |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Physical State:</b> Liquid                                            | <b>Color:</b> Clear, Fluorescent, Red                                    |
| <b>Evaporation Rate:</b> No information available                        | <b>Odor:</b> Fresh                                                       |
| <b>Odor threshold:</b> No information available.                         | <b>Boiling point/range:</b> Not determined                               |
| <b>Melting point/range:</b> Not determined                               | <b>Decomposition temperature:</b> Not determined                         |
| <b>Autoignition temperature:</b> No information available                | <b>Solubility:</b> Completely Soluble                                    |
| <b>Solubility in other solvents:</b> No information available            | <b>Relative Density (relative to water):</b> 1.095                       |
| <b>Density:</b> 9.13 lbs/gal 1.095 Kg/L                                  | <b>Vapor density:</b> No information available                           |
| <b>Bulk density:</b> No information available                            | <b>Vapor pressure:</b> No information available.                         |
| <b>Flash point:</b> > 200 °F > 93.3 °C                                   | <b>Partition coefficient (n-octanol/water):</b> No information available |
| <b>Dilution Flash Point:</b> 200 °F 93.3 °C                              | <b>Viscosity:</b> No information available                               |
| <b>Elemental Phosphorus:</b> 0.00 % by wt.                               | <b>VOC:</b> 0.04 % *                                                     |
| <b>pH:</b> 0.0                                                           | <b>VOC % by wt. at use dilution</b> 0 % *                                |
| <b>Dilution pH:</b> 1.29 @ 1:40                                          | <b>Flammability (Solid or Gas):</b> Not applicable                       |
| <b>Metal Corrosion:</b> Category 1                                       |                                                                          |
| <b>Explosion limits:</b> - upper: Not determined - lower: Not determined |                                                                          |

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

**10. STABILITY AND REACTIVITY**

- Reactivity:** Not Applicable
- Stability:** The product is stable
- Hazardous decomposition products:** None reasonably foreseeable.
- Materials to avoid:** Ammonia. Oxidizing agents. Bases. Do not mix with chlorinated products (such as bleach). Corrosive to steel and aluminum.
- Conditions to avoid:** Do not mix with any other product or chemical.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Eye contact, Skin contact, Inhalation, Ingestion

### Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

**Skin contact:** Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

### Numerical measures of toxicity

ATE - Oral (mg/kg): 3200

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable regulations. This product, when diluted as stated on this MSDS, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** D002 Corrosive Waste

**RCRA Hazard Class (diluted product):** D002 Corrosive Waste

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, **only available through Internet Explorer**, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (urea hydrochloride), 8, III

**IMDG (Ocean) Bill of Lading Description:** UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (urea hydrochloride), 8, III

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

### U.S. Regulations

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

### RIGHT TO KNOW (RTK)



Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Urea hydrochloride	506-89-8	-	-	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-
β-Alanine, N-(2-carboxyethyl)-N-dodecyl-, sodium salt	14960-06-6	-	-	-	-
Benzotriazole	95-14-7	X	-	-	-
Diethyl phthalate	84-66-2	X	X	X	X

**CERCLA/ SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethyl phthalate	84-66-2	> 0.1% - < 1%	1000		

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Diethyl phthalate			X

**SARA 311/312 Hazard Categories**

**Immediate:** X  
**Delayed:** -  
**Fire:** -  
**Reactivity:** -  
**Sudden Release of Pressure:** -

**Canadian Regulations**

Ingredient(s)	CAS #	NPRI
Diethyl phthalate	84-66-2	X

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

**Health** 3  
**Flammability** 0  
**Instability** 0

**Version Number:** 5  
**Preparation date:** 2015-03-18

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 28-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** DAMP MOP  
**Product Number:** 3016  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A

**GHS Label Elements**

**Signal Word:**

**Warning**

**Symbols:**



**Hazard Statements:**

Causes serious eye irritation

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear eye / face protection

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alcohol ethoxylate	68439-46-3	1-5
isopropanol	67-63-0	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Yellow
<b>Odor:</b>	Lemon
<b>pH:</b>	7.0-8.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.000
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and blurred vision.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.
<b>Target Organ Effects:</b>	-Eyes. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 37002 mg/kg  
 ATEmix (dermal): 57376 mg/kg  
 ATEmix (inhalation-dust/mist): 4789.1 mg/l

#### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available
isopropanol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
isopropanol 67-63-0	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50	Not Available	13299: 48 h <i>Daphnia magna</i> mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### SARA 313

This product contains the following listed substances:

#### isopropanol

CAS No 67-63-0 only if manufactured by the strong acid process, no supplier notification

#### SARA 311/312 Hazard Categories

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Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazards: 2	Flammability: 0	Instability: 0	Special: N/A
<b>HMIS</b>	Health Hazards: 2	Flammability: 0	Physical Hazards: 0	

Revision Date: 28-Jul-2015  
Reasons for Revision: Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 01-May-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** DUST MOP / DUST CLOTH TREATMENT (AEROSOL)  
**Product Number:** 6099  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols Category 1  
Gases Under Pressure Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause eye irritation.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	40-70
petroleum distillates	64742-47-8	5-10
white mineral oil	8042-47-5	5-10
N-butane	106-97-8	3-7
propane	74-98-6	1-5
decaglyceryl monooleate	9007-48-1	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water spray (fog), Foam
- Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.

**Storage Conditions:** NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

### Engineering Controls:

Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

#### Eye/Face Protection:

Not required with expected use.

#### Skin and Body Protection:

Not required with expected use.

#### Respiratory Protection:

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

### General Hygiene Considerations:

Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	White emulsion
<b>Odor:</b>	Bland
<b>pH:</b>	8.0-9.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	132 °C / 270 °F (Product without propellant) Estimated
<b>Flash Point:</b>	< -58 °C / < -72 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	< 1
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.95 (Product without propellant)
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal conditions of use.

### Chemical Stability:

Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

### Conditions to Avoid:

Extremes of temperature and direct sunlight.

### Incompatible Materials:

Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain and redness.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.

**Target Organ Effects:** Central nervous system.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 27233 mg/kg  
 ATEmix (dermal): 20202 mg/kg  
 ATEmix (inhalation-gas): 3021468 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
petroleum distillates 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
white mineral oil 8042-47-5	> 5000 mg/kg ( Rat )	Not Available	Not Available
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
propane 74-98-6	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
petroleum distillates 64742-47-8	Not Available	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	4720: 96 h Den-dronereides heteropoda mg/L LC50
white mineral oil 8042-47-5	Not Available	10000: 96 h Lepomis macrochirus mg/L LC50	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**  
**UN/ID No:** UN1950  
**Proper Shipping Name:** Aerosols  
**Hazard Class:** 2.1  
**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product does not contain listed substances above the "de minimus" level

### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	Yes
<b>Reactive Hazard:</b>	No

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 1</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 2</b>	<b>Physical Hazards: 2</b>	

**Revision Date:** 01-May-2015  
**Reasons for Revision:** No information available.

### **Disclaimer:**

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**End of Safety Data Sheet**

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## Envy Foaming Disinfectant Cleaner (US)

Version Number: 1

Preparation date: 2014-08-08

### 1. IDENTIFICATION

**Product name:** Envy Foaming Disinfectant Cleaner (US)  
**Product Code:** 04531  
**SDS #:** MS0800465  
**Recommended use:**

- Disinfectant
- This product is intended to be used neat.

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**  
 US Headquarters  
 Diversey, Inc.  
 P.O. Box 19747  
 Charlotte, NC 28219-0747  
 Phone: 1-888-352-2249  
 SDS Internet Address: www.diversey.com

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Flammability Extremely flammable aerosol, Category 1



**Signal Word:** Danger.

#### Precautionary Statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not incinerate. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C (122 °F) which may cause bursting. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

#### Classification for the diluted product @ RTU

#### Precautionary Statements

None required.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Classified Ingredients

Ingredient(s)	CAS #	Weight %
Isobutane	75-28-5	3% - < 5%
Dipropylene glycol methyl ether	34590-94-8	1% - < 3%
Tetrapotassium pyrophosphate	7320-34-5	1% - < 3%
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	68391-01-5	> 0.1% - < 1%
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	68956-79-6	> 0.1% - < 1%

\*Exact percentages are being withheld as trade secret information

### 4. FIRST AID MEASURES

#### Undiluted Product:

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

#### Diluted Product:

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

### 5. FIRE-FIGHTING MEASURES

**Specific methods:**

Aerosol Product - Containers may rocket or explode in heat of fire

**Suitable extinguishing media:**

Dry chemical, water spray, foam.

**Specific hazards:**

NFPA 30B Level 1 Aerosol.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Ensure adequate ventilation. Remove all sources of ignition.

**Environmental precautions and clean-up methods:**

Clean-up methods - large spillage. Remove all sources of ignition. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from open flames, hot surfaces and sources of ignition. CONTENTS UNDER PRESSURE. Do not puncture or incinerate. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C or 120 degrees F. Exposure to heat may cause bursting. Do not pierce or burn, even after use. NFPA 30B Level 1 Aerosol. Protect from freezing. Store in a cool, dry, well ventilated area away from heat or open flame.

**Aerosol Level (if applicable):** Level 1

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**



**Undiluted Product:**

**Engineering measures to reduce exposure:**

None known

**Personal Protective Equipment**

<b>Eye protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hand protection:</b>	No personal protective equipment required under normal use conditions.
<b>Skin and body protection:</b>	No personal protective equipment required under normal use conditions.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Personal Protective Equipment**

<b>Eye protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hand protection:</b>	No personal protective equipment required under normal use conditions.
<b>Skin and body protection:</b>	No personal protective equipment required under normal use conditions.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical State:</b> Pressurized Liquid	<b>Color:</b> Clear White
<b>Evaporation Rate:</b> No information available	<b>Odor:</b> Lavender Ammonia
<b>Odor threshold:</b> No information available.	<b>Boiling point/range:</b> Not determined
<b>Melting point/range:</b> Not determined	<b>Decomposition temperature:</b> Not determined
<b>Autoignition temperature:</b> No information available	<b>Solubility:</b> Completely Soluble
<b>Solubility in other solvents:</b> No information available	<b>Relative Density (relative to water):</b> 0.98
<b>Density:</b> 8.17 lbs/gal 0.98 Kg/L	<b>Vapor density:</b> No information available
<b>Bulk density:</b> No information available	<b>Vapor pressure:</b> No information available.
<b>Flash point:</b> 19 °F -7 °C	<b>Partition coefficient (n-octanol/water):</b> No information available
<b>Dilution Flash Point:</b> 19 °F -7 °C	<b>Viscosity:</b> No information available
<b>Elemental Phosphorus:</b> 0.30 % by wt.	<b>VOC:</b> 7.2 % *
<b>pH:</b> 12.1	<b>VOC % by wt. at use dilution</b> 7.2 % *
<b>Dilution pH:</b> 12.1 @ RTU	<b>Flammability (Solid or Gas):</b> Not applicable
<b>Metal Corrosion:</b> Not determined	
<b>Flame Extension (inches):</b> 0	
<b>Explosion limits: - upper:</b> Not determined <b>- lower:</b> Not determined	

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Not Applicable
<b>Stability:</b>	The product is stable
<b>Hazardous decomposition products:</b>	None reasonably foreseeable.
<b>Materials to avoid:</b>	Do not mix with any other product or chemical unless specified in the use directions.
<b>Conditions to avoid:</b>	Keep away from open flames, hot surfaces and sources of ignition.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

Skin contact, Eye contact, Inhalation, Ingestion

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Unlikely to be irritant in normal use.  
**Eye contact:** May be mildly irritating to eyes.  
**Ingestion:** No information available.  
**Inhalation:** No information available.  
**Sensitization:** No known effects.  
**Target Organs (SE):** None known  
**Target Organs (RE):** None known

## Numerical measures of toxicity

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. If possible, recycle empty aerosol cans to the nearest steel recycling center.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** D001 Ignitable Waste

### 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, **only available through Internet Explorer**, <http://naextranet.diverseyc.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** LTD. QTY.

**IMDG (Ocean) Bill of Lading Description:** UN1950, AEROSOLS, 2.1, LTD. QTY.

### 15. REGULATORY INFORMATION

#### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA).

#### U.S. Regulations

**EPA Reg. No. :** 70627-35

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.  
PHYSICAL AND CHEMICAL HAZARDS: CONTENTS UNDER PRESSURE. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

#### RIGHT TO KNOW (RTK)

#### CERCLA/ SARA

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Dipropylene glycol methyl ether	X		

#### SARA 311/312 Hazard Categories

**Immediate:** -  
**Delayed:** -  
**Fire:** X  
**Reactivity:** -

Sudden Release of Pressure: X

**Canadian Regulations**

WHMIS hazard class: Not for sale in Canada.

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 0  
Flammability 4  
Instability 0

Version Number: 1  
Preparation date: 2014-08-08

Reason for revision: Not applicable  
Prepared by: NAPRAC  
Additional advice: • Contains an added fragrance, see "Odor" heading in section 9 for specific description

*Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.*





# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 24-Apr-2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** FOAMYIQ CRANBERRY ICE FOAMING HANDWASH  
**Product Number:** 4602  
**Recommended Use:** Hand cleaner  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Not Classified Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS)

**GHS Label Elements**

**Signal Word:** No signal word  
**Symbols:** No symbols  
**Hazard Statements:** No hazard statements  
**Precautionary Statements:**  
**Prevention:** Not Applicable  
**Response:**  
**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable  
**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause eye irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Sodium Laureth Sulfate	9004-82-4	1-5
Fragrance	PROPRIETARY	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Suggested Shelf Life:</b>	Minimum of 2 years from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Not required with expected use.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Red
<b>Odor:</b>	Fruity fragrance
<b>pH:</b>	5.0-7.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1.0 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.004
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain and redness.
<b>-Skin Contact:</b>	None expected.
<b>-Inhalation:</b>	No known effect.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 49383 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
Sodium Laureth Sulfate 9004-82-4	= 1600 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### **SARA 313**

This product does not contain listed substances above the "de minimus" level

#### **SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

#### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

### 16. OTHER INFORMATION

**NFPA** Health Hazards: 1 Flammability: 0 Instability: 0 Special: N/A

**HMIS** Health Hazards: 1 Flammability: 0 Physical Hazards: 0

**Revision Date:** 24-Apr-2019

**Reasons for Revision:** New product

#### **Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 24-Apr-2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** FOAMYIQ HEALTHCARE PERSONNEL HANDWASH  
**Product Number:** 4605  
**Recommended Use:** Antiseptic handwash  
**Uses Advised Against:** For Hospital and Professional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Serious Eye Damage/Eye Irritation: Category 2B

#### GHS Label Elements

**Signal Word:**

#### **Warning**

**Symbols:** No symbols  
**Hazard Statements:** Causes eye irritation.

#### Precautionary Statements:

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Cetrimonium Chloride	112-02-7	1-5
Cocamine	61788-46-3	1-5
Glycerin	56-81-5	1-5
Lactic Acid	79-33-4	1-5
Chloroxylenol	88-04-0	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	May cause sensitization of susceptible persons. Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Expiration Date:</b>	2 years from date of manufacture.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Glycerin 56-81-5	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
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**Personal Protective Equipment**

<b>Eye/Face Protection:</b>	Not required with expected use.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Aqua
<b>Odor:</b>	Fresh green fragrance
<b>pH:</b>	4.0-5.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.004
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

**11. TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain and redness.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.
<b>Target Organ Effects:</b>	-Eyes. kidney. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	
<b>ATEmix (oral):</b>	3729 mg/kg
<b>ATEmix (dermal):</b>	54679 mg/kg

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
Cetrimonium Chloride 112-02-7	= 410 mg/kg ( Rat )	= 4300 mg/kg ( Rabbit )	Not Available
Cocamine 61788-46-3	= 2040 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 0.099 mg/L ( Rat ) 1 h
Glycerin 56-81-5	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Lactic Acid 79-33-4	= 3730 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	Not Available
Chloroxylenol 88-04-0	= 3830 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Cocamine 61788-46-3	0.0008: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	0.16: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 0.24: 96 h <i>Brachydanio rerio</i> mg/L LC50 static	Not Available	0.045: 48 h <i>Daphnia magna</i> mg/L EC50
Glycerin 56-81-5	Not Available	51 - 57: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static	Not Available	Not Available
Lactic Acid 79-33-4	Not Available	320: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 100 - 180: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 100 - 180: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	Not Available	240: 48 h <i>Daphnia magna</i> mg/L EC50 180 - 320: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Chloroxylenol 88-04-0	Not Available	0.13 - 1.0: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 1.3 - 2.1: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	EC50 = 1.6 mg/L 5 min	6.7 - 9: 48 h <i>Daphnia magna</i> mg/L EC50 Static

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	Health Hazards: 1	Flammability: 0	Instability: 0	Special: N/A
<b><u>HMIS</u></b>	Health Hazards: 1	Flammability: 0	Physical Hazards: 0	

Revision Date: 24-Apr-2019

Reasons for Revision: New product

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 30-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** FOAMY Q&A  
**Product Number:** 3200 , 3202  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

**GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

**Precautionary Statements:**

**Prevention:**

Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**-Eyes**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Spill:**

Absorb spillage to prevent material damage.

**Storage:**

Store locked up. Store in corrosion resistant container.

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive.
- Harmful if swallowed
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

1.81388% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
phosphoric acid	7664-38-2	7-13
diethylene glycol monobutyl ether	112-34-5	1-5
hydroxyacetic acid	79-14-1	1-5
alcohol ethoxylate	68439-46-3	1-5
cocamidopropyl hydroxysultaine	70851-08-0	1-5
alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the Chemical:** Contact with metals may evolve flammable hydrogen gas. Dried product is capable of burning.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).



## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
phosphoric acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
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### Personal Protective Equipment

<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Purple
<b>Odor:</b>	Pleasant
<b>pH:</b>	< 2
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.09
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
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<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
Product Information:	Data not available or insufficient for classification.
Target Organ Effects:	-Eyes. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	
ATEmix (oral):	5729 mg/kg
ATEmix (dermal):	11716 mg/kg
ATEmix (inhalation-dust/mist):	203.3 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
phosphoric acid 7664-38-2	= 1530 mg/kg ( Rat )	= 2730 mg/kg ( Rabbit )	> 850 mg/m <sup>3</sup> ( Rat ) 1 h
diethylene glycol monobutyl ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	Not Available
hydroxyacetic acid 79-14-1	= 1950 mg/kg ( Rat )	Not Available	= 7.7 mg/L ( Rat ) 4 h
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available
alkyl dimethyl benzyl ammonium chloride 68424-85-1	= 426 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
phosphoric acid 7664-38-2	Not Available	3 - 3.5: 96 h Gambusia affinis mg/L LC50	Not Available	4.6: 12 h Daphnia magna mg/L EC50
diethylene glycol monobutyl ether 112-34-5	100: 96 h Desmodemus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
hydroxyacetic acid 79-14-1	Not Available	5000: 96 h Brachydanio rerio mg/L LC50 static	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.  
**US EPA Waste Number:** D002

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### SARA 313

This product contains the following listed substances:

#### diethylene glycol monobutyl ether

CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

#### California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 5741-23

#### EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### EPA Pesticide Label:

Danger. Corrosive. Causes irreversible eye damage or skin burns. May be fatal if swallowed. Harmful if absorbed through the skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

### 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 0	

**Revision Date:** 30-Jul-2015

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**Reasons for Revision:** No information available.

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 04-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** GERMICIDAL BOWL CLEANSE  
**Product Number:** 7120 , 7102  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Acute Toxicity - Inhalation (Gases): Category 4  
Acute toxicity - Inhalation (Dusts/Mists) Category 4  
Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1  
Specific Target Organ Toxicity (Single Exposure): Category 3  
Corrosive to Metals: Category 1

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Harmful if inhaled.  
Causes severe skin burns and serious eye damage.  
May cause respiratory irritation  
May be corrosive to metals.

**Precautionary Statements:**

**Prevention:**

Use only outdoors or in a well-ventilated area.  
Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

<b>-Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell
<b>-Ingestion:</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
<b>-Specific Treatment:</b>	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
<b>Spill:</b>	Absorb spillage to prevent material damage.
<b>Storage:</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in corrosion resistant container.
<b>Disposal:</b>	Dispose of contents and container in accordance with local, state and federal regulations.
<b>Hazards Not Otherwise Classified:</b>	Not Applicable
<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• Corrosive.</li> <li>• Harmful or fatal if swallowed.</li> <li>• Do not mix with hypochlorite-type bleach or other household chemicals as hazardous vapors or gases may be produced.</li> <li>• Keep out of reach of children.</li> <li>• NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</li> </ul>

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
hydrochloric acid	7647-01-0	10-30

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
<b>Note to Physicians:</b>	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic. Contact with metals may evolve flammable hydrogen gas.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

**Incompatible Materials:** Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** None established.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m <sup>3</sup> Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.  
Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

### Personal Protective Equipment

**Eye/Face Protection:** Wear splash goggles.

**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other protective equipment should be considered in order to prevent or minimize contact with this product.

**Respiratory Protection:** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	White
<b>Odor:</b>	unpleasant
<b>pH:</b>	< 1.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	104 °C / 219 °F
<b>Flash Point:</b>	> 104 °C / > 219 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.11
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
Product Information:	Data not available or insufficient for classification.
Target Organ Effects:	-Eyes. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	
ATEmix (oral):	2917 mg/kg
ATEmix (dermal):	20877 mg/kg
ATEmix (inhalation-gas):	6509 mg/l
ATEmix (inhalation-dust/mist):	2.1 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50



water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
hydrochloric acid 7647-01-0	= 700 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 3124 ppm ( Rat ) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
hydrochloric acid 7647-01-0	Not Available	282: 96 h Gambusia affinis mg/L LC50 static	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**US EPA Waste Number:** D002

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1760

**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains hydrochloric (muriatic) acid)

**Hazard Class:** 8

**Packing Group:** III

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains hydrochloric (muriatic) acid)

**Hazard Class:** 8

**Packing Group:** III

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:

**hydrochloric acid**

CAS No 7647-01-0 acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 5741-11

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

DANGER. Corrosive. Causes irreversible eye damage or skin burns. May be fatal if swallowed. Harmful if absorbed through the skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**16. OTHER INFORMATION****NFPA****Health Hazards:** 3**Flammability:** 0**Instability:** 0**Special:** N/A**HMIS****Health Hazards:** 3**Flammability:** 0**Physical Hazards:** 0**Revision Date:**

04-Aug-2015

**Reasons for Revision:**

Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



## GP Forward SC General Purpose Cleaner

Revision: 2019-05-23

Version: 04.0

### 1. IDENTIFICATION

**Product name:** GP Forward SC  
General Purpose Cleaner

**Product Code:** 903820, 904965, 93145395, 93145408, 100828353, 100950822, 100950823

**SDS #:** MS0801016

**Recommended use:**

- General purpose cleaner
- Floor care
- This product is intended to be diluted prior to use
- Industrial/Institutional

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: <a href="https://sds.diversey.com">https://sds.diversey.com</a>	Canadian Headquarters Diversey Canada, Inc. 3755 Laird Road Units 8-11 Mississauga, Ontario L5L 0B3 Phone: 1-800-668-7171
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**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A

**Signal Word:****Warning.**

#### Hazard Statements

**CAUSES SKIN AND SERIOUS EYE IRRITATION.**

#### Precautionary Statements

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:128**

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

#### **Hazard and Precautionary Statements**

None required.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Classified Ingredients**

<b>Ingredient(s)</b>	<b>CAS #</b>	<b>Weight %</b>
Alcohol ethoxylates	68439-46-3	5 - 10%
Sodium xylene sulfonate	1300-72-7	1 - 5%
Monoethanolamine	141-43-5	1 - 5%
$\beta$ -Alanine, N-(2-carboxyethyl)-N-dodecyl-, sodium salt	14960-06-6	> 0.1 - < 1%

\*Exact percentages are being withheld as trade secret information

### **4. FIRST AID MEASURES**

#### **Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

#### **Diluted Product:**

**Eyes:** Rinse with plenty of water.

**Skin:** No specific first aid measures are required

**Inhalation:** No specific first aid measures are required

**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

### **5. FIRE-FIGHTING MEASURES**

**Specific methods:** No special methods required

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** None known.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

### **7. HANDLING AND STORAGE**

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Remove and wash contaminated clothing and footwear before re-use. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Keep tightly closed in a dry, cool and well-ventilated place.

**Aerosol Level (if applicable):** Not applicable.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Monoethanolamine	141-43-5	6 ppm (STEL) 3 ppm (TWA)	3 ppm (TWA) 6 mg/m <sup>3</sup> (TWA)

**Undiluted Product:****Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**

<b>Eye protection:</b>	Chemical-splash goggles.
<b>Hand protection:</b>	Chemical-resistant gloves.
<b>Skin and body protection:</b>	If major exposure is possible, wear suitable protective clothing and footwear.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:****Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**

<b>Eye protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hand protection:</b>	No personal protective equipment required under normal use conditions.
<b>Skin and body protection:</b>	No personal protective equipment required under normal use conditions.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Solubility in other solvents:** No information available

**Density:** 8.52 lbs/gal 1.021 Kg/L

**Bulk density:** No information available

**Flash point (°F):** >200°F > 93 °C

**Viscosity:** No information available

**VOC:** 1.9 % \*

**Flammability (Solid or Gas):** Not applicable

**Sustained combustion:** Not applicable

**Explosion limits:** - upper: Not determined - lower: Not determined

**Color:** Opaque Dark Green

**Odor:** Citrus

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.021

**Vapor density:** No information available

**Vapor pressure:** No information available.

**Partition coefficient (n-octanol/water):** No information available

**Elemental Phosphorus:** 0.00 % by wt.

**pH:** 11.4

**Corrosion to metals:** Not corrosive to metals

**Dilution pH:** 10.7

**Dilution Flash Point (°F):** > 200 °F > 93.4 °C

**VOC % by wt. at use dilution:** 0.01 %

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not Applicable
<b>Stability:</b>	The product is stable
<b>Hazardous decomposition products:</b>	None reasonably foreseeable.
<b>Materials to avoid:</b>	Do not mix with any other product or chemical unless specified in the use directions.
<b>Conditions to avoid:</b>	No information available.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**

Skin contact, Inhalation, Eye contact

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

**Eye contact:** Causes serious eye irritation. Symptoms may include pain, redness, and watering.

**Ingestion:** May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Numerical measures of toxicity**

**ATE - Oral (mg/kg):** >5000

**ATE - Dermal (mg/kg):** >5000

**ATE - Inhalatory, mists (mg/l):** >20

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products (undiluted product):** This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Waste from residues / unused products (diluted product):** This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**RCRA Hazard Class (undiluted product):** Not Regulated

**RCRA Hazard Class (diluted product):** Not Regulated

**Contaminated Packaging:** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT/TDG/IMDG:** The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

**DOT (Ground) Bill of Lading Description:** NOT REGULATED

**IMDG (Ocean) Bill of Lading Description:** NOT REGULATED

**15. REGULATORY INFORMATION**

**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL).

**RIGHT TO KNOW (RTK)**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-

Alcohol ethoxylates	68439-46-3	-	-	-	-
Sodium xylene sulfonate	1300-72-7	-	-	-	-
Monoethanolamine	141-43-5	X	X	X	-
Methyl glycine diacetic acid 3Na-salt	164462-16-2	-	-	-	-
β-Alanine, N-(2-carboxyethyl)-N-dodecyl-, sodium salt	14960-06-6	-	-	-	-

**CERCLA/ SARA**

**Canadian Regulations**

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 2  
 Flammability 0  
 Instability 0  
 Special Hazards -

**Diluted Product:**

Health 0  
 Flammability 0  
 Instability 0  
 Special Hazards -

Revision: 2019-05-23  
 Version: 04.0

**Reason for revision:** Not applicable  
**Prepared by:** North American Regulatory Affairs  
**Additional advice:** • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 30-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** GREEN SOLUTIONS ALL PURPOSE CLEANER  
**Product Number:** 3501 , 3511 (2-LITER CARTRIDGE 101)  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A

**GHS Label Elements**

**Signal Word:**

**Warning**

**Symbols:**



**Hazard Statements:**

Causes serious eye irritation

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear eye / face protection

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- Causes mild skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alkyl polyglucoside	68515-73-1	1-5
sodium carbonate	497-19-8	1-5
alcohol ethoxylate	68439-46-3	1-5
citric acid	77-92-9	1-5
alkyl polyglucoside	110615-47-9	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment**

<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	This product is fragrance free.
<b>pH:</b>	Undiluted 7.0-8.0 / Diluted 1:64 8.0-9.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.01
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

**11. TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and blurred vision.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	49840 mg/kg
ATEmix (inhalation-dust/mist):	79.2 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available
citric acid 77-92-9	= 3000 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	Not Available	265: 48 h Daphnia magna mg/L EC50
citric acid 77-92-9	Not Available	1516: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	120: 72 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT:** Not Regulated

**Proper Shipping Name:** Non-Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non-Hazardous Product

**15. REGULATORY INFORMATION**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Physical Hazards: 0</b>	

**Revision Date:** 30-Jul-2015  
**Reasons for Revision:** No information available.

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 30-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** **GS NEUTRAL DISINFECTANT CLEANER**  
**Product Number:** 3502 , 3513  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute Toxicity - Oral: Category 4  
Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1

#### GHS Label Elements

**Signal Word:**

**Danger**

**Symbols:**



#### Hazard Statements:

Harmful if swallowed.  
Causes severe skin burns and serious eye damage.

#### Precautionary Statements:

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product  
Do not breathe mist, vapors or spray.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.

**Response:**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

0.134% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
dialkyl dimethyl ammonium chloride	68424-95-3	1-5
alkyl dimethyl benzyl ammonium chloride	68424-85-1	1-5
ethanol	64-17-5	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	0.1-1
alcohol ethoxylate	68439-46-3	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE



**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.  
Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

### Personal Protective Equipment

**Eye/Face Protection:** Wear splash goggles.

**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Mild
<b>pH:</b>	6.0-7.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.0
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.  
**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.  
**-Skin Contact:** Pain, redness, blistering and possible chemical burn.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.

### Immediate, Delayed, Chronic Effects

**Product Information:** Data not available or insufficient for classification.

**Chronic Toxicity:** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

**Target Organ Effects:** Blood. Central nervous system. -Eyes. Liver. Reproductive System. Respiratory System. -Skin.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 1837 mg/kg  
 ATEmix (dermal): 5528 mg/kg  
 ATEmix (inhalation-dust/mist): 23 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
alkyl dimethyl benzyl ammonium chloride 68424-85-1	= 426 mg/kg ( Rat )	Not Available	Not Available
ethanol 64-17-5	= 7060 mg/kg ( Rat )	Not Available	= 124.7 mg/L ( Rat ) 4 h
tetrasodium ethylenediaminetetraacetate 64-02-8	= 10 g/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
ethanol 64-17-5	Not Available	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	Not Available	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
tetrasodium ethylenediaminetetraacetate 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	Not Available	610: 24 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### **SARA 313**

This product does not contain listed substances above the "de minimus" level

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

#### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 1839-169-5741

#### **EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### **EPA Pesticide Label:**

Danger. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 0	

**Revision Date:** 30-Jul-2015  
**Reasons for Revision:** No information available.

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**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 30-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** GS RESTROOM CLEANER  
**Product Number:** 3503 , 3533  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A

**GHS Label Elements**

**Signal Word:**

**Warning**

**Symbols:**



**Hazard Statements:**

Causes serious eye irritation

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear eye / face protection

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

0.30298% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
citric acid	77-92-9	5-10
alcohol ethoxylate	68439-46-3	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Not required with expected use.

<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Bland
<b>pH:</b>	1.5-2.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.03
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Heat, flames and sparks.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and blurred vision.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 29382 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available

citric acid 77-92-9	= 3000 mg/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
citric acid 77-92-9	Not Available	1516: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	120: 72 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product does not contain listed substances above the "de minimus" level

### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 5741-25

### **EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:



**EPA Pesticide Label:**

Caution. Causes moderate eye irritation. May be harmful if swallowed. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Physical Hazards: 0</b>	

**Revision Date:** 30-Jul-2015  
**Reasons for Revision:** No information available.

**Disclaimer:**

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**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 09-Sep-2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** HALT  
**Product Number:** 1018 , 4806  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

**Skin Corrosion/Irritation:** Category 2  
**Serious Eye Damage/Eye Irritation:** Category 1

#### GHS Label Elements

**Signal Word:**

**Danger**

**Symbols:**



#### **Hazard Statements:**

Causes serious eye damage  
Causes skin irritation.

#### Precautionary Statements:

##### **Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.

##### **Response:**

###### **-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

###### **-Skin**

IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse

###### **-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

##### **Storage:**

Not Applicable

##### **Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Harmful if swallowed
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
C9-11 Pareth-6	68439-46-3	1-5
Sodium Carbonate	497-19-8	1-5
Benzalkonium Chloride	68391-01-5	1-5
Alkyl C12-14 Dimethyl Ethylbenzyl Ammonium Chloride	85409-23-0	1-5
Tetrasodium EDTA	64-02-8	0.1-1
Limonene	5989-27-5	0.1-1
Citrus Aurantium Dulcis Peel Oil	8008-57-9	0.1-1
Fragrance	PROPRIETARY	<0.1
Tangerine Oils	8016-85-1	<0.1
Orange Terpenes	8028-48-6	<0.1
Decanal	112-31-2	<0.1
Octanal	124-13-0	<0.1
Ethyl Butyrate	105-54-4	<0.1
Colorant	PROPRIETARY	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
- Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Suggested Shelf Life:</b>	1 year from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Orange
<b>Odor:</b>	Pleasant
<b>pH:</b>	11.0-12.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.036
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.  
**-Skin Contact:** Pain, redness and cracking of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 2041 mg/kg  
 ATEmix (dermal): 5797 mg/kg  
 ATEmix (inhalation-dust/mist): 50.1 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
C9-11 Pareth-6 68439-46-3	= 1400 mg/kg ( Rat )	Not Available	Not Available
Sodium Carbonate 497-19-8	= 4090 mg/kg ( Rat )	Not Available	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
Benzalkonium Chloride 68391-01-5	= 850 mg/kg ( Rat )	= 2300 mg/kg ( Rabbit )	Not Available
Tetrasodium EDTA 64-02-8	= 1658 mg/kg ( Rat )	Not Available	Not Available
Limonene 5989-27-5	= 5200 mg/kg ( Rat ) = 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	Not Available
Citrus Aurantium Dulcis Peel Oil 8008-57-9	= 4400 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	Not Available
Decanal 112-31-2	= 3730 µL/kg ( Rat )	Not Available	Not Available
Octanal 124-13-0	= 4616 mg/kg ( Rat )	= 5207 mg/kg ( Rabbit )	> 4.7 mg/L ( Rat ) 4 h
Ethyl Butyrate 105-54-4	= 13 g/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Sodium Carbonate 497-19-8	Not Available	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	Not Available	265: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	Not Available	Not Available

Limone 5989-27-5	Not Available	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	Not Available	Not Available
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**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non-Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non-Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

**EPA Pesticide Registration Number:** 10324-93-5741

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

### 16. OTHER INFORMATION

**NFPA**

**Health Hazards:** 3

**Flammability:** 0

**Instability:** 0

**Special:** N/A

**HMIS**

**Health Hazards:** 3

**Flammability:** 0

**Physical Hazards:** 0

**Revision Date:**

09-Sep-2019

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**Reasons for Revision:** Section, 2, 3, 4, 11, and, 12

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# User-Prepared Solution Safety Summary Sheet

Revision Date: 09-Sep-2019

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** **HALT USER-PREPARED SOLUTION (1:16)**  
Diluted at 1:16 (or greater) in water

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**Medical Emergency/Information:** 888-314-6171

## 2. HAZARDS IDENTIFICATION

**GHS Classification**  
**Not Classified** Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS).

**GHS Label Elements**

**Signal Word:**

**No signal word**

**Symbols:**

**Hazard Statements:**

No hazard statements

**Precautionary Statements:**

**Prevention:**

Not Applicable

**Response:**

**-Specific Treatment:**

See Safety Summary Sheet Section 4: "First Aid Measures" for additional information.

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

May be harmful if swallowed. Causes moderate eye irritation. May cause skin irritation. Inhalation of vapors or mist may cause respiratory irritation. Keep out of reach of children.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	90-100
C9-11 Pareth-6	68439-46-3	0.1-1.0
Sodium Carbonate	497-19-8	0.1-1.0
Benzalkonium Chloride	68391-01-5	0.1-1.0
Alkyl C12-14 Dimethyl Ethylbenzyl Ammonium Chloride	85409-23-0	0.1-1.0
Tetrasodium EDTA	64-02-8	0-0.1
Limonene	5989-27-5	0-0.1
Citrus Aurantium Dulcis Peel Oil	8008-57-9	0-0.1
Fragrance	PROPRIETARY	0-0.1
Tangerine Oils	8016-85-1	0-0.1
Orange Terpenes	8028-48-6	0-0.1
Decanal	112-31-2	0-0.1
Octanal	124-13-0	0-0.1
Ethyl Butyrate	105-54-4	0-0.1

Colorant	PROPRIETARY	0-0.1
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**4. FIRST AID MEASURES**

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

**5. PERSONAL PROTECTIVE EQUIPMENT (PPE)**

- Eye/Face Protection:** Wear splash goggles.
- Skin and Body Protection:** Wear rubber or other chemical-resistant gloves.
- Respiratory Protection:** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
- General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

**6. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Light orange
<b>Odor:</b>	Pleasant
<b>pH:</b>	10.5-11.5
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Specific Gravity:</b>	1.00

**7. OTHER INFORMATION**

**NFPA**                      **Health Hazards:** 1              **Flammability:** 0              **Instability:** 0              **Special:** N/A  
**HMIS**                      **Health Hazards:** 1              **Flammability:** 0              **Physical Hazards:** 0

**Revision Date:** 09-Sep-2019  
**Reasons for Revision:** 3

# SAFETY DATA SHEET

Lime-A-Way® Toilet Bowl Cleaner



HEALTH • HYGIENE • HOME

## 1. Product and company identification

<b>Product name</b>	: Lime-A-Way® Toilet Bowl Cleaner
<b>Distributed by</b>	: Reckitt Benckiser LLC. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, New Jersey 07054-0225 +1 973 404 2600
<b>Emergency telephone number (Medical)</b>	: 1-800-338-6167
<b>Emergency telephone number (Transport)</b>	: 1-800-424-9300 (U.S. & Canada) CHEMTREC Outside U.S. and Canada (North America), call Chemtrec:703-527-3887
<b>Website:</b>	: <a href="http://www.rbnainfo.com">http://www.rbnainfo.com</a>

**Product use** : Rust removers and Lime deposit (calcium) remover

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

<b>SDS #</b>	: 371893PSDS v5.0
<b>Formulation #:</b>	: (755-011A) 371893 v2.0
<b>UPC Code / Sizes</b>	: 51700-39705-05 (24 oz. bottle) 51700-39700-04 (16 oz. bottle)

## 2. Hazards identification

<b>Classification of the substance or mixture</b>	: CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
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### GHS label elements

**Hazard pictograms** :



**Signal word** :

Danger

**Hazard statements** :

May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.

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## 2. Hazards identification

### Precautionary statements

- General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
- Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep only in original container. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
- Response** : Absorb spillage to prevent material damage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
- Storage** : Store locked up. Store in corrosive resistant container with a resistant inner liner.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : None known.
- Hazards not otherwise classified** : None known.

## 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Ingredient name	%	CAS number
Hydrochloric acid	5 - 10	7647-01-0
Amines, tallow alkyl, ethoxylated	1 - 2.5	61791-26-2
Alcohols, C12-15, ethoxylated	1 - 2.5	68131-39-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

## 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## 4. First aid measures

- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- Skin contact** : Causes severe burns.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
halogenated compounds

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Absorb spillage to prevent material damage. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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## 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in corrosive resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Control

#### Occupational exposure limits

<u>Ingredient name</u>	<u>Exposure limits</u>
Hydrochloric acid	<b>ACGIH TLV (United States, 6/2013).</b> C: 2 ppm <b>OSHA PEL 1989 (United States, 3/1989).</b> CEIL: 5 ppm CEIL: 7 mg/m <sup>3</sup> <b>NIOSH REL (United States, 10/2013).</b> CEIL: 5 ppm CEIL: 7 mg/m <sup>3</sup> <b>OSHA PEL (United States, 2/2013).</b> CEIL: 5 ppm CEIL: 7 mg/m <sup>3</sup>

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Skin protection

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## 8. Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid. [Clear.]
- Color** : Green.
- Odor** : Wintergreen.
- Odor threshold** : Not available.
- pH** : <1 [Conc. (% w/w): 100%]
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: >93.3°C (>199.9°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.04 to 1.05
- Solubility** : Easily soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Dynamic (room temperature): 140 to 300 mPa·s (140 to 300 cP)



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## 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Keep away from extreme heat. Protect from moisture.
- Incompatible materials** : Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.  
Reactive or incompatible with the following materials:  
alkalis  
metals
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Hydrochloric acid	Eyes - Mild irritant	Rabbit	-	0.5 minutes 5 milligrams	-
	Skin - Mild irritant	Human	-	24 hours 4 Percent	-
Amines, tallow alkyl, ethoxylated	Eyes - Moderate irritant	Rabbit	-	100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 100 microliters	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Hydrochloric acid	-	3	-

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

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## 11. Toxicological information

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- Skin contact** : Causes severe burns.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

**Code #** : FF371893  
(371893PSDS)

**SDS #** : 371893PSDS v5.0 **Date of issue** : 18/02/2015.

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## 11. Toxicological information

### Acute toxicity estimates

Not available.

## 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Alcohols, C12-15, ethoxylated	Acute EC50 0.39 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 302 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 187 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Hydrochloric acid	Acute LC50 240000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
Amines, tallow alkyl, ethoxylated	Acute LC50 282 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute LC50 2350 µg/l Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 650 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Alcohols, C12-15, ethoxylated	2.03 to 6.24	237	low
Hydrochloric acid	0.25	-	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

### Other adverse effects

: No known significant effects or critical hazards.




Release of large quantities into water may cause a pH-change resulting in danger for aquatic life.

371893PSDS v5.0

### 13. Disposal considerations



**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	UN1760	Corrosive liquids, n.o.s. (Hydrochloric acid, Amines, tallow alkyl, ethoxylated)	8	II		<p><b>Limited quantity</b> Yes.</p> <p><b>Packaging instruction</b> <b>Passenger aircraft</b> Quantity limitation: 1 L</p> <p><b>Cargo aircraft</b> Quantity limitation: 30 L</p> <p><b>Special provisions</b> B2, IB2, T11, TP2, TP27</p>
<b>TDG Classification</b>	UN1760	CORROSIVE LIQUID, N.O.S. (Hydrochloric acid, Amines, tallow alkyl, ethoxylated)	8	II		<p><b>Explosive Limit and Limited Quantity Index</b> 1</p> <p><b>Passenger Carrying Road or Rail Index</b> 1</p> <p><b>Special provisions</b> 16</p>
<b>Mexico Classification</b>	UN1760	LIQUIDO CORROSIVO, N.E.P. (Hydrochloric acid, Amines, tallow alkyl, ethoxylated)	8	II		<p><b>Special provisions</b> 274</p>

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## 14. Transport information

<b>IMDG Class</b>	UN1760	CORROSIVE LIQUID, N.O.S. (Hydrochloric acid, Amines, tallow alkyl, ethoxylated)	8	II		<b>Emergency schedules (EmS)</b> F-A, S-B  <b>Special provisions</b> 274
<b>IATA-DGR Class</b>	UN1760	Corrosive liquid, n.o.s. (Hydrochloric acid, Amines, tallow alkyl, ethoxylated)	8	II		<b>Passenger and Cargo Aircraft</b> Quantity limitation: 1 L Packaging instructions: 851 <b>Cargo Aircraft Only</b> Quantity limitation: 30 L Packaging instructions: 855 <b>Limited Quantities - Passenger Aircraft</b> Quantity limitation: 0.5 L Packaging instructions: Y840  <b>Special provisions</b> A3, A803

PG\* : Packing group

## 15. Regulatory information

**U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 United States inventory (TSCA 8b): All components are listed or exempted.  
 Clean Water Act (CWA) 311: Hydrochloric acid  
 Clean Air Act (CAA) 112 regulated flammable substances: Hydrochloric acid  
 Clean Air Act (CAA) 112 regulated toxic substances: Hydrochloric acid

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Listed

SARA 302/304

Composition/information on ingredients

371893PSDS v5.0

**15. Regulatory information**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Hydrochloric acid	5 - 10	Yes.	500	59940.1	5000	599400.8

**SARA 304 RQ** : 51551.7 lbs / 23404.5 kg [5916.6 gal / 22396.6 L]

**SARA 311/312**

**Classification** : Reactive  
Immediate (acute) health hazard

**Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Hydrochloric acid	5 - 10	No.	No.	No.	Yes.	No.
Amines, tallow alkyl, ethoxylated	1 - 2.5	No.	No.	No.	Yes.	No.

**SARA 313**

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Hydrochloric acid	7647-01-0	9.699
<b>Supplier notification</b>	Hydrochloric acid	7647-01-0	9.699

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations**

- Massachusetts** : The following components are listed: HYDROGEN CHLORIDE  
**New York** : The following components are listed: Hydrochloric acid  
**New Jersey** : The following components are listed: HYDROGEN CHLORIDE; HYDROCHLORIC ACID  
**Pennsylvania** : The following components are listed: HYDROCHLORIC ACID

**Label elements**

- Signal word** : DANGER  
**Hazard statements** : CORROSIVE  
HARMFUL OR FATAL IF SWALLOWED. Causes irreversible eye damage. Causes burns.  
**Precautionary measures** : Keep out of reach of children. Do not get in eyes or on skin or clothing. Do not swallow. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Do not breathe fumes. Use only in a well-ventilated area. DO NOT mix with bleach or other household chemicals as harmful fumes may result. Fumes are corrosive to metal. Contains hydrochloric acid.

371893PSDS v5.0

## 16. Other information

**Hazardous Material Information System (U.S.A.)** :

Health	3
Flammability	0
Physical hazards	1
Personal protection	D

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

**Date of issue** : 18/02/2015.

**Date of previous issue** : 08/02/2010.

**Version** : 5

**Prepared by** : Reckitt Benckiser LLC.  
Product Safety Department  
1 Philips Parkway  
Montvale, New Jersey 07646-1810 USA.  
FAX: 201-476-7770

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## 16. Other information

**Revision comments** : Update as per US GHS.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



RB is a member of the CSPA Product Care Product Stewardship Program.





# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 04-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** M\*95  
**Product Number:** 7115, 7495, 7105  
**Recommended Use:** Acid cleaner  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute Toxicity - Inhalation (Gases): Category 4  
Acute toxicity - Inhalation (Dusts/Mists) Category 3  
Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

#### GHS Label Elements

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Toxic if inhaled  
Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

#### Precautionary Statements:

**Prevention:**

Use only outdoors or in a well-ventilated area.  
Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**-Eyes**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

<b>-Specific Treatment:</b>	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
<b>Spill:</b>	Absorb spillage to prevent material damage.
<b>Storage:</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosion resistant container.
<b>Disposal:</b>	Dispose of contents and container in accordance with local, state and federal regulations.
<b>Hazards Not Otherwise Classified:</b>	Not Applicable
<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• Corrosive.</li> <li>• May be fatal if swallowed.</li> <li>• Inhalation of vapors or mist may cause respiratory irritation or damage.</li> <li>• Keep out of reach of children.</li> <li>• NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</li> </ul>

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
hydrochloric acid	7647-01-0	5-10

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
<b>Note to Physicians:</b>	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Contact with metals may evolve flammable hydrogen gas. Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m <sup>3</sup> Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other protective equipment should be considered in order to prevent or minimize contact with this product.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Green
<b>Odor:</b>	Pine fragrance
<b>pH:</b>	< 1.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.04
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Contact with sodium hypochlorite (or other hypochlorites) releases chlorine gas.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
Product Information:	Data not available or insufficient for classification.
Target Organ Effects:	-Eyes. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	
ATEmix (oral):	7570 mg/kg
ATEmix (dermal):	54181 mg/kg
ATEmix (inhalation-gas):	16892 mg/l
ATEmix (inhalation-dust/mist):	0.5 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
hydrochloric acid 7647-01-0	= 700 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 3124 ppm ( Rat ) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
hydrochloric acid 7647-01-0	Not Available	282: 96 h <i>Gambusia affinis</i> mg/L LC50 static	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal of Wastes:</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging:</b>	Dispose of in accordance with federal, state and local regulations.
<b>US EPA Waste Number:</b>	D002

## 14. TRANSPORT INFORMATION

**DOT:**  
**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquids, n.o.s.,(contains hydrochloric (muriatic) acid)  
**Hazard Class:** 8  
**Packing Group:** III  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**Proper Shipping Name:** Corrosive liquids, n.o.s.,(contains hydrochloric (muriatic) acid)  
**Hazard Class:** 8  
**Packing Group:** III

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product contains the following listed substances:

#### **hydrochloric acid**

CAS No 7647-01-0 acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size

### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 0	

**Revision Date:** 04-Aug-2015  
**Reasons for Revision:** Section 14 and 15

### **Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 04-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** NABC NON-ACID DISINFECTANT BATHROOM CLEANER  
**Product Number:** 7116 , 7496, 7106  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**  
Not Classified

Not dangerous according to the Globally Harmonized System (GHS)

**GHS Label Elements**

**Signal Word:** No signal word

**Symbols:**

**Hazard Statements:** No hazard statements

**Precautionary Statements:**

**Prevention:** Not Applicable

**Response:**

**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable

**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause eye irritation.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

0.19756% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alcohol ethoxylate	68439-46-3	1-5
dialkyl dimethyl ammonium chloride	68424-95-3	0.1-1
alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Blue
<b>Odor:</b>	Pleasant
<b>pH:</b>	6.0-7.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.995
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain and redness.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	24390 mg/kg
ATEmix (dermal):	73171 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available
alkyl dimethyl benzyl ammonium chloride 68424-85-1	= 426 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product does not contain listed substances above the "de minimus" level

### **SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 5741-18

### **EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

### **EPA Pesticide Label:**

CAUTION. Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

## 16. OTHER INFORMATION

**NFPA**

**Health Hazards:** 1

**Flammability:** 0

**Instability:** 0

**Special:** N/A

**HMIS**

**Health Hazards:** 1

**Flammability:** 0

**Physical Hazards:** 0

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Revision Date: 04-Aug-2015  
Reasons for Revision: Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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## Oxivir Tb (US)

Version Number: 2

Preparation date: 2015-03-04

### 1. IDENTIFICATION

**Product name:** Oxivir Tb (US)  
**Product Code:** 4277285

**SDS #:** MS0800255  
**Recommended use:**

- Disinfectant / Deodorizer / Sanitizer
- This product is intended to be used neat.

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters Diversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-1964 Phone: 1-888-352-2249 MSDS Internet Address: www.diversey.com	Canadian Headquarters Diversey, Inc. - Canada 3755 Laird Road Mississauga, Ontario L5L 0B3 Phone: 1-800-668-3131
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**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

This product is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and current Canadian Controlled Products Regulations (CPR).

#### Precautionary Statements

**Health hazards not otherwise classified (HHNOC)** - Not applicable  
**Physical hazards not otherwise classified (PHNOC)** - Not applicable

#### Classification for the diluted product @ RTU

This product is intended to be used neat.

#### Precautionary Statements

See undiluted product information above.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Classified Ingredients

Ingredient(s)	CAS #	Weight %
Benzyl alcohol	100-51-6	3% - < 5%
Potassium hydroxide	1310-58-3	> 0.1% - < 1%
Dodecylbenzene sulfonic acid	68584-22-5	> 0.1% - < 1%

Oxivir Tb (US)

1 of 5



\*Exact percentages are being withheld as trade secret information

#### 4. FIRST AID MEASURES

##### **Undiluted Product:**

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** None known.

##### **Diluted Product:**

This product is intended to be used neat.

**Eyes:** See undiluted product information above.

**Skin:** See undiluted product information above.

**Inhalation:** See undiluted product information above.

**Ingestion:** See undiluted product information above.

#### 5. FIRE-FIGHTING MEASURES

**Specific methods:**

No special methods required

**Suitable extinguishing media:**

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:**

Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Not applicable.

**Environmental precautions**

Clean-up methods - large spillage. Use appropriate containment to avoid environmental contamination.

**and clean-up methods:**

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.

#### 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place.

**Aerosol Level (if applicable):** Not applicable

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Benzyl alcohol	100-51-6	-	-
Potassium hydroxide	1310-58-3	2 mg/m <sup>3</sup> (Ceiling)	-
Dodecylbenzene sulfonic acid	68584-22-5	-	-

**Undiluted Product:**

**Engineering measures to reduce exposure:**

No special ventilation requirements

**Personal Protective Equipment**

**Eye protection:**

No special requirements under normal use conditions.

**Hand protection:**

No special requirements under normal use conditions.

**Skin and body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

This product is intended to be used neat.

**Personal Protective Equipment**

**Eye protection:** No personal protective equipment required under normal use conditions.  
**Hand protection:** No personal protective equipment required under normal use conditions.  
**Skin and body protection:** No personal protective equipment required under normal use conditions.  
**Respiratory protection:** No personal protective equipment required under normal use conditions.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical State:</b> Liquid	<b>Color:</b> Clear, Colorless
<b>Evaporation Rate:</b> No information available	<b>Odor:</b> Cherry Almond Surfactant
<b>Odor threshold:</b> No information available.	<b>Boiling point/range:</b> Not determined
<b>Melting point/range:</b> Not determined	<b>Decomposition temperature:</b> Not determined
<b>Autoignition temperature:</b> No information available	<b>Solubility:</b> Completely Soluble
<b>Solubility in other solvents:</b> No information available	<b>Relative Density (relative to water):</b> 1.01
<b>Density:</b> 8.42 lbs/gal 1.01 Kg/L	<b>Vapor density:</b> No information available
<b>Bulk density:</b> No information available	<b>Vapor pressure:</b> No information available.
<b>Flash point:</b> > 200 °F > 93.3 °C	<b>Partition coefficient (n-octanol/water):</b> No information available
<b>Dilution Flash Point:</b> > 200 °F > 93.3 °C	<b>Viscosity:</b> No information available
<b>Elemental Phosphorus:</b> 0.12 % by wt.	<b>VOC:</b> 0.0 % *
<b>pH:</b> 3	<b>VOC % by wt. at use dilution</b> 0 % *
<b>Dilution pH:</b> 3 @ RTU	<b>Flammability (Solid or Gas):</b> Not applicable
<b>Metal Corrosion:</b> Not determined	
<b>Explosion limits:</b> - upper: Not determined - lower: Not determined	

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

**10. STABILITY AND REACTIVITY**

**Reactivity:** Not Applicable  
**Stability:** The product is stable  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Do not mix with any other product or chemical unless specified in the use directions.  
**Conditions to avoid:** No information available.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

Eye contact, Skin contact, Inhalation, Ingestion

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Unlikely to be irritant in normal use.

**Eye contact:** Unlikely to be irritant in normal use.

**Ingestion:** No information available.

**Inhalation:** No information available.

**Sensitization:** No known effects.

**Numerical measures of toxicity**

**ATE - Oral (mg/kg):** >5000  
**ATE - Dermal (mg/kg):** >5000  
**ATE - Inhalatory, mists (mg/l):** >20

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** Not Regulated

### 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** DISINFECTANTS

**IMDG (Ocean) Bill of Lading Description:** DISINFECTANTS

### 15. REGULATORY INFORMATION

#### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA).

#### U.S. Regulations

**EPA Reg. No. :** 70627-56

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**ENVIRONMENTAL HAZARDS:** This product is toxic to birds, fish and aquatic invertebrates. Caution should be used when applying indoors because pets may be at risk.

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

#### **RIGHT TO KNOW (RTK)**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Benzyl alcohol	100-51-6	X	-	X	-
Hydrogen peroxide	7722-84-1	X	X	X	X
Phosphoric acid	7664-38-2	X	X	X	X
Citric acid	77-92-9	-	-	-	-
Potassium hydroxide	1310-58-3	X	X	X	X
Dodecylbenzene sulfonic acid	68584-22-5	-	-	-	-

#### **CERCLA/ SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrogen peroxide	7722-84-1	> 0.1% - < 1%		1000	
Phosphoric acid	7664-38-2	> 0.1% - < 1%	5000		
Potassium hydroxide	1310-58-3	> 0.1% - < 1%	1000		

#### **SARA 311/312 Hazard Categories**

**Immediate:** -  
**Delayed:** -  
**Fire:** -  
**Reactivity:** -



Sudden Release of Pressure: -

**Canadian Regulations**

WHMIS hazard class: Not for sale in Canada.

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 0

Flammability 0

Instability 0

Version Number: 2

Preparation date: 2015-03-04

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 05-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** PEROXY 4D  
**Product Number:** 1012 , 4805  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Acute Toxicity - Oral: Category 4  
Skin Corrosion/Irritation: Category 1 Sub-category B  
Serious Eye Damage/Eye Irritation: Category 1  
Flammable Liquids: Category 4

#### **GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Harmful if swallowed.  
Causes severe skin burns and serious eye damage.  
Combustible liquid

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product  
Do not breathe the mist, vapors or spray.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

**Response:**

**-Eyes**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Fire:** In case of fire: Use CO2, dry chemical, or foam for extinction  
**Storage:** Store locked up. Store in a well-ventilated place. Keep cool  
**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

0.6655% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
hydrogen peroxide	7722-84-1	5-10
dialkyl dimethyl ammonium chloride	68424-95-3	1-5
alkyl dimethyl benzyl ammonium chloride	68424-85-1	1-5
ethanol	64-17-5	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use, Water spray (fog), Carbon dioxide, Foam, Dry chemical

**Specific Hazards Arising from the Chemical:** Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire. Risk of overpressure and bursting due to decomposition in containers, pipes and other confined spaces.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors. On decomposition product releases oxygen which may intensify fire

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Disposal container should not be made of metal. Disposal container must be vented due to possible decomposition and pressure build-up. Do not return spilled product into its original container for re-use due to possible decomposition and pressure build-up.

## 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Do not return product to original container. Do not confine product in unvented containers or between closed valves. Wash thoroughly after handling.

**Storage Conditions:** Store containers upright and tightly closed using vented closures to prevent pressure build-up. Store in accordance with the particular national regulations. Elevated temperatures accelerate product decomposition. Keep out of the reach of children.

**Incompatible Materials:** Sodium hypochlorite (or other hypochlorites).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** None established.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>
ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

### Personal Protective Equipment

**Eye/Face Protection:**

Wear splash goggles.

**Skin and Body Protection:**

Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Purple
<b>Odor:</b>	Mild
<b>pH:</b>	2.0-3.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	85 °C / 185 °F
<b>Flash Point:</b>	> 85 °C / > 185 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.02
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Contact with sodium hypochlorite (or other hypochlorites) releases chlorine gas.
<b>Conditions to Avoid:</b>	Heat, flames and sparks. High temperature accelerates decomposition of product.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites).
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. Releases oxygen when heated to decomposition which may intensify fire.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea. Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

### Immediate, Delayed, Chronic Effects

**Product Information:** Data not available or insufficient for classification.

**Chronic Toxicity:** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

**Target Organ Effects:** Blood. Central nervous system. -Eyes. Liver. Reproductive System. Respiratory System. -Skin.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	1489 mg/kg
ATEmix (dermal):	4355 mg/kg
ATEmix (inhalation-dust/mist):	12 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50

water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
hydrogen peroxide 7722-84-1	= 801 mg/kg ( Rat )	= 4060 mg/kg ( Rat ) = 2000 mg/kg ( Rabbit )	= 2 mg/L ( Rat ) 4 h
alkyl dimethyl benzyl ammonium chloride 68424-85-1	= 426 mg/kg ( Rat )	Not Available	Not Available
ethanol 64-17-5	= 7060 mg/kg ( Rat )	Not Available	= 124.7 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
hydrogen peroxide 7722-84-1	2.5: 72 h Chlorella vulgaris mg/L EC50	16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	7.7: 24 h Daphnia magna mg/L EC50 18 - 32: 48 h Daphnia magna mg/L EC50 Static
ethanol 64-17-5	Not Available	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	Not Available	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product does not contain listed substances above the "de minimus" level

### **SARA 311/312 Hazard Categories**

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<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	Yes
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	Yes

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 1839-224-5741

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

Danger. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Wear eye protection (goggles, safety glasses with side shields, or face shield). Wear coveralls worn over long-sleeved shirts and long pants, chemical resistant gloves, socks, and chemical resistant footwear. Avoid contamination of food. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

<b>16. OTHER INFORMATION</b>
------------------------------

<b>NFPA</b>	<b>Health Hazards: 3</b>	<b>Flammability: 1</b>	<b>Instability: 1</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 3</b>	<b>Flammability: 1</b>	<b>Physical Hazards: 1</b>	

**Revision Date:** 05-Aug-2015  
**Reasons for Revision:** Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 15-May-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** PREMIUM WOOD POLISH (AEROSOL)  
**Product Number:** 6110  
**Recommended Use:** Furniture polish  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols Category 1  
Gases Under Pressure Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

- Other Information:**
- May cause skin irritation.
  - May cause eye irritation.
  - May be harmful if swallowed.
  - Inhalation of vapors or mist may cause respiratory irritation.
  - Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
N-butane	106-97-8	1-5
polydimethylsiloxane	63148-62-9	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water spray (fog), Foam
- Specific Hazards Arising from the Chemical:** EXTREMELY FLAMMABLE. Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.
- Storage Conditions:** NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

### Engineering Controls:

Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

#### Eye/Face Protection:

Not required with expected use.

#### Skin and Body Protection:

Not required with expected use.

#### Respiratory Protection:

Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

### General Hygiene Considerations:

Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	White emulsion
<b>Odor:</b>	Lemon
<b>pH:</b>	8.5-9.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F (Product without propellant)
<b>Flash Point:</b>	< -18 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	<1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.99 (Product without propellant)
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal conditions of use.

### Chemical Stability:

Stable under normal conditions.

### Possibility of Hazardous Reactions:

Not expected to occur with normal handling and storage.

### Conditions to Avoid:

Extremes of temperature and direct sunlight.

### Incompatible Materials:

Strong oxidizing agents. Strong acids.

### Hazardous Decomposition Products:

May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure:

Eyes, Skin, Ingestion, Inhalation.

### Symptoms of Exposure:

#### -Eye Contact:

Pain and redness.

#### -Skin Contact:

Drying of the skin.

**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 1024837 mg/kg  
 ATEmix (inhalation-gas): 6420947 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
polydimethylsiloxane 63148-62-9	> 17 g/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1950

**Proper Shipping Name:** Aerosols

**Hazard Class:** 2.1

**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
dioxane - 123-91-1	Carcinogen
formaldehyde - 50-00-0	Carcinogen
acetaldehyde - 75-07-0	Carcinogen

WARNING: This product contains a chemical known to the State of California to cause cancer.

These chemicals are not added intentionally to the product. They are impurities present at concentrations below 0.01%.

**16. OTHER INFORMATION****NFPA****Health Hazards:** 1**Flammability:** 1**Instability:** 0**Special:** N/A**HMIS****Health Hazards:** 1**Flammability:** 2**Physical Hazards:** 2**Revision Date:**

15-May-2015

**Reasons for Revision:**

No information available.

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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## Prominence <sup>TM/MC</sup> Heavy Duty Floor Cleaner

Revision: 2018-12-14

Version: 02.0

### 1. IDENTIFICATION

**Product name:** Prominence <sup>TM/MC</sup>  
Heavy Duty Floor Cleaner

**Product Code:** 95041178, 94996458, 94996466, 94996440, 100828351, 101100677, 94996458W

**SDS #:** MS0801372

**Recommended use:**

- Floor care
- Industrial/Institutional
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters Diversey, Inc. 2415 Cascade Pointe Blvd. Charlotte, NC 28208 Phone: 1-888-352-2249 SDS Internet Address: <a href="https://sds.diversey.com">https://sds.diversey.com</a>	Canadian Headquarters Diversey Canada, Inc. 3755 Laird Road Units 8-11 Mississauga, Ontario L5L 0B3 Phone: 1-800-668-7171
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**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

**Signal Word:****Warning.**

#### Hazard and Precautionary Statements

##### **CAUSES SKIN AND SERIOUS EYE IRRITATION.**

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

#### Classification for the diluted product @ 1:64

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

## Hazard and Precautionary Statements

None required.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Classified Ingredients

Ingredient(s)	CAS #	Weight %
Ethoxylated secondary alcohol	84133-50-6	10 - 30%
Alcohol ethoxylates	68439-46-3	10 - 30%

\*Exact percentages are being withheld as trade secret information

## 4. FIRST AID MEASURES

### Undiluted Product:

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

### Diluted Product:

**Eyes:** Rinse with plenty of water.

**Skin:** No specific first aid measures are required

**Inhalation:** No specific first aid measures are required

**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

## 5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required

**Suitable extinguishing media:** Not applicable.

**Specific hazards:** Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Keep tightly closed in a dry, cool and well-ventilated place.

**Aerosol Level (if applicable):** Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.



**Undiluted Product:****Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**

<b>Eye protection:</b>	Chemical-splash goggles.
<b>Hand protection:</b>	Chemical-resistant gloves.
<b>Skin and body protection:</b>	No personal protective equipment required under normal use conditions.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:****Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**

<b>Eye protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hand protection:</b>	No personal protective equipment required under normal use conditions.
<b>Skin and body protection:</b>	No personal protective equipment required under normal use conditions.
<b>Respiratory protection:</b>	No personal protective equipment required under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Solubility in other solvents:** No information available

**Density:** 8.49 lbs/gal 1.0177 Kg/L

**Bulk density:** No information available

**Flash point (°F):** > 200 °F > 93.4 °C

**Viscosity:** 90 No information available

**VOC:** 0 % \*

**Flammability (Solid or Gas):** Not applicable

**Sustained combustion:** Not applicable

**Explosion limits: - upper:** Not determined **- lower:** Not determined  
@ 1:64

**Dilution pH:** 6.85

**Dilution Flash Point (°F):** > 200 °F > 93.4 °C

**VOC % by wt. at use dilution** 0.0002

**Color:** Clear Yellow

**Odor:** Citrus

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.0177

**Vapor density:** No information available

**Vapor pressure:** No information available.

**Partition coefficient (n-octanol/water):** No information available

**Elemental Phosphorus:** 0.00 % by wt.

**pH:** 8.4

**Corrosion to metals:** Not corrosive

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not Applicable
<b>Stability:</b>	The product is stable
<b>Hazardous decomposition products:</b>	None reasonably foreseeable.
<b>Materials to avoid:</b>	Do not mix with any other product or chemical unless specified in the use directions.
<b>Conditions to avoid:</b>	No information available.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**

Skin contact, Inhalation, Eye contact

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

**Eye contact:** Causes serious eye irritation. Symptoms may include pain, redness, and watering.

**Ingestion:** May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.  
**Target Organs (SE):** None known  
**Target Organs (RE):** None known

**Numerical measures of toxicity**

**ATE - Oral (mg/kg):** >5000  
**ATE - Inhalatory, mists (mg/l):** 11

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products (undiluted product):** This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Waste from residues / unused products (diluted product):** This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**RCRA Hazard Class (undiluted product):** Not Regulated

**RCRA Hazard Class (diluted product):** Not Regulated

**Contaminated Packaging:** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT (Ground) Bill of Lading Description:** NOT REGULATED

**IMDG (Ocean) Bill of Lading Description:** NOT REGULATED

**15. REGULATORY INFORMATION**

**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL).

**RIGHT TO KNOW (RTK)**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Ethoxylated secondary alcohol	84133-50-6	-	-	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-gluta mate	51981-21-6	-	-	-	-
Fatty acids, C8-18 and C18 unsaturated	67701-05-7	-	-	-	-

**CERCLA/ SARA**

## Canadian Regulations

### 16. OTHER INFORMATION

#### NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

**Health** 2

**Flammability** 0

**Instability** 0

**Special Hazards** -

#### Diluted Product:

**Health** 0

**Flammability** 0

**Instability** 0

**Special Hazards** -

**Revision:** 2018-12-14

**Version:** 02.0

**Reason for revision:**

Not applicable

**Prepared by:**

NAPRAC

**Additional advice:**

• Contains an added fragrance, see "Odor" heading in section 9 for specific description

*Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.*

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 05-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SC-200  
**Product Number:** 2200  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Skin Corrosion/Irritation: Category 1 Sub-category B  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

#### **GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

#### **Precautionary Statements:**

**Prevention:**

Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**-Eyes**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Spill:**

Absorb spillage to prevent material damage.

**Storage:**

Store locked up. Store in corrosion resistant container.

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive.
- May be harmful if swallowed.
- Harmful contact may not cause immediate pain.
- Inhalation of vapors or mist may cause respiratory irritation or damage.
- Harmful if absorbed through skin.
- Take off and destroy contaminated shoes.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
2-butoxyethanol	111-76-2	1-5
alcohol ethoxylate	68439-46-3	1-5
sodium xylene sulfonate	1300-72-7	1-5
diethylene glycol monobutyl ether	112-34-5	1-5
sodium hydroxide	1310-73-2	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

**Incompatible Materials:** Reactive metals such as aluminum, zinc and tin. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
2-butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

**Personal Protective Equipment**

**Eye/Face Protection:** Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.

**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other protective equipment should be considered in order to prevent or minimize contact with this product.

**Respiratory Protection:** Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Red
<b>Odor:</b>	No information available.
<b>pH:</b>	13.3-14.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.063
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Contact with aluminum or other reactive metals may release hydrogen gas.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Reactive metals such as aluminum, zinc and tin. Acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.
<b>Target Organ Effects:</b>	Blood. Central nervous system. -Eyes. hematopoietic system. kidney. Liver. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	
ATEmix (oral):	5873 mg/kg
ATEmix (dermal):	9130 mg/kg
ATEmix (inhalation-dust/mist):	48.6 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available



2-butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available
sodium xylene sulfonate 1300-72-7	= 7200 mg/kg ( Rat )	Not Available	Not Available
diethylene glycol monobutyl ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	Not Available
sodium hydroxide 1310-73-2	Not Available	= 1350 mg/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
2-butoxyethanol 111-76-2	Not Available	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	Not Available	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
diethylene glycol monobutyl ether 112-34-5	100: 96 h Desmodosmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
sodium hydroxide 1310-73-2	Not Available	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.  
**US EPA Waste Number:** D002

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains sodium hydroxide)  
**Hazard Class:** 8  
**Packing Group:** II  
**Reportable Quantity (RQ):** For totes add: RQ, I.B.C.

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains sodium hydroxide)  
**Hazard Class:** 8  
**Packing Group:** II  
**Reportable Quantity (RQ):** For totes add: RQ, I.B.C.

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:

**2-butoxyethanol**

CAS No 111-76-2 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**diethylene glycol monobutyl ether**

CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	Yes
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	<b>Health Hazards: 3</b>	<b>Flammability: 0</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 3*</b>	<b>Flammability: 0</b>	<b>Physical Hazards: 0</b>	

**Revision Date:** 05-Aug-2015  
**Reasons for Revision:** Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 10-Apr-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SD-20 ALL PURPOSE DEGREASER (AEROSOL)  
**Product Number:** 6520  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A  
Flammable Aerosols: Category 1  
Gases Under Pressure: Liquefied gas

#### **GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Causes serious eye irritation  
Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

#### **Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear eye / face protection  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- Causes mild skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
diethylene glycol monobutyl ether	112-34-5	5-10
N-butane	106-97-8	3-7
isopropanol	67-63-0	1-5
alcohol ethoxylate	84133-50-6	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**-Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

**Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray (fog), Foam

**Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.

**Storage Conditions:** NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

**Eye/Face Protection:**

Wear splash goggles.

**Skin and Body Protection:**

Not required with expected use.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**

Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	Colorless
<b>Odor:</b>	Pleasant
<b>pH:</b>	10.5-11.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F (Product without propellant)
<b>Flash Point:</b>	< -18 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	< 1
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.0 (Product without propellant)
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.  
**Chemical Stability:** Stable under normal conditions.  
**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.  
**Conditions to Avoid:** Extremes of temperature and direct sunlight.  
**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain, redness, swelling of the conjunctiva and blurred vision.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.  
**Target Organ Effects:** Central nervous system. -Eyes. Respiratory System. -Skin.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 26014 mg/kg  
 ATEmix (dermal): 23457 mg/kg  
 ATEmix (inhalation-gas): 5243774 mg/l  
 ATEmix (inhalation-dust/mist): 3906 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
diethylene glycol monobutyl ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	Not Available
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
isopropanol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
diethylene glycol monobutyl ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
isopropanol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	Not Available	13299: 48 h Daphnia magna mg/L EC50
alcohol ethoxylate 84133-50-6	Not Available	3.2: 96 h Pimephales promelas mg/L LC50	Not Available	3.2: 48 h water flea mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

#### 14. TRANSPORT INFORMATION

**DOT:**  
**UN/ID No:** UN1950  
**Proper Shipping Name:** Aerosols  
**Hazard Class:** 2.1  
**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

#### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

##### **SARA 313**

This product contains the following listed substances:

##### **diethylene glycol monobutyl ether**

CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

##### **isopropanol**

CAS No 67-63-0 only if manufactured by the strong acid process, no supplier notification

##### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

##### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 2	<b>Flammability:</b> 1	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 2	<b>Flammability:</b> 2	<b>Physical Hazards:</b> 2	

**Revision Date:** 10-Apr-2015  
**Reasons for Revision:** No information available.

##### **Disclaimer:**

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**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 05-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SNB-130  
**Product Number:** 2130  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Skin Corrosion/Irritation: Category 1 Sub-category B  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

#### **GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

#### **Precautionary Statements:**

**Prevention:**

Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**-Eyes**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Spill:**

Absorb spillage to prevent material damage.

**Storage:**

Store locked up. Store in corrosion resistant container.

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive.
- Harmful or fatal if swallowed.
- Harmful contact may not cause immediate pain.
- Inhalation of vapors or mist may cause respiratory irritation or damage.
- Take off and destroy contaminated shoes.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
sodium metasilicate	6834-92-0	5-10
sodium tripolyphosphate	7758-29-4	1-5
potassium hydroxide	1310-58-3	1-5
phosphate ester	68130-47-2	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Incompatible Materials:</b>	Reactive metals such as aluminum, zinc and tin. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other protective equipment should be considered in order to prevent or minimize contact with this product.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Purple
<b>Odor:</b>	Odorless
<b>pH:</b>	13.3-13.7
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.149
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
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<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Contact with aluminum or other reactive metals may release hydrogen gas.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Reactive metals such as aluminum, zinc and tin. Acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
Product Information:	Data not available or insufficient for classification.

Target Organ Effects: -Eyes. Respiratory System. -Skin.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	5241 mg/kg
ATEmix (dermal):	25877 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
sodium metasilicate 6834-92-0	= 600 mg/kg ( Rat )	Not Available	Not Available
sodium tripolyphosphate 7758-29-4	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	Not Available
potassium hydroxide 1310-58-3	= 214 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
sodium metasilicate 6834-92-0	Not Available	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	Not Available	216: 96 h Daphnia magna mg/L EC50
sodium tripolyphosphate 7758-29-4	Not Available	1650: 48 h Leuciscus idus mg/L LC50	Not Available	Not Available
potassium hydroxide 1310-58-3	Not Available	80: 96 h Gambusia affinis mg/L LC50 static	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal of Wastes:</b>	Dispose of in accordance with federal, state and local regulations.
<b>Contaminated Packaging:</b>	Do not reuse container.
<b>US EPA Waste Number:</b>	D002

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains potassium hydroxide)  
**Hazard Class:** 8  
**Packing Group:** II  
**Reportable Quantity (RQ):** For totes add: RQ, I.B.C.

**Special Provisions:**

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains potassium hydroxide)  
**Hazard Class:** 8  
**Packing Group:** II  
**Reportable Quantity (RQ):** For totes add: RQ, I.B.C.

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 0	

**Revision Date:** 05-Aug-2015  
**Reasons for Revision:** Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 18-May-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** STAINLESS STEEL CLEANER POLISH  
**Product Number:** 6310  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols Category 1  
Gases Under Pressure Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• May cause skin irritation.</li> <li>• May cause eye irritation.</li> <li>• May be harmful if swallowed.</li> <li>• Inhalation of vapors or mist may cause respiratory irritation.</li> <li>• Keep out of reach of children.</li> </ul>
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	40-70
petroleum distillates	64741-44-2	10-30
N-butane	106-97-8	3-7
petroleum distillates	64742-88-7	1-5
propane	74-98-6	1-5
polydimethylsiloxane	63148-62-9	1-5
decaglyceryl monooleate	9007-48-1	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water spray (fog), Foam
<b>Specific Hazards Arising from the Chemical:</b>	Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.
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**Storage Conditions:** NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

**Eye/Face Protection:** Not required with expected use.

**Skin and Body Protection:** Not required with expected use.

**Respiratory Protection:** Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	White
<b>Odor:</b>	Lemon
<b>pH:</b>	8.0-9.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F (Product without propellant)
<b>Flash Point:</b>	< -18 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	<1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.94 (Product without propellant)
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain and redness.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.

**Target Organ Effects:** Central nervous system.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 24279 mg/kg  
 ATEmix (dermal): 9524 mg/kg  
 ATEmix (inhalation-gas): 3021468 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
petroleum distillates 64741-44-2	= 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 1700 mg/m <sup>3</sup> ( Rat ) 4 h
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
petroleum distillates 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
propane 74-98-6	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
polydimethylsiloxane 63148-62-9	> 17 g/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
petroleum distillates 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	Not Available	100: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1950  
**Proper Shipping Name:** Aerosols  
**Hazard Class:** 2.1  
**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	Yes
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 2</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 2</b>	<b>Physical Hazards: 2</b>	

**Revision Date:** 18-May-2015  
**Reasons for Revision:** No information available.

**Disclaimer:**

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**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 08-May-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** STERIPHENE II BRAND DISINFECTANT DEODORANT CLEAN FRESH FRAGRANCE

**Product Number:** 6081

**Recommended Use:** Disinfectant

**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171

**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols  
Gases Under Pressure

Category 1  
Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

- Other Information:**
- May be harmful if swallowed.
  - May cause eye irritation.
  - May cause skin irritation.
  - Inhalation of vapors or mist may cause respiratory irritation.
  - Keep out of reach of children.

0.00384% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
ethanol	64-17-5	40-70
water	7732-18-5	10-30
propane	74-98-6	7-13
N-butane	106-97-8	5-10
o-benzyl-p-chlorophenol	120-32-1	<0.1
o-phenylphenol	90-43-7	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water spray (fog), Foam
- Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protective equipment as required. Remove all sources of ignition.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.

**Storage Conditions:** NFPA 30B Level 2 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits:** None established.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

**Engineering Controls:** Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment**

**Eye/Face Protection:** Wear splash goggles.

**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:** Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	Light yellow
<b>Odor:</b>	Citrus fragrance
<b>pH:</b>	8.0-9.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	74 °C / 165 °F (Product without propellant)
<b>Flash Point:</b>	< -18 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	1.5 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.84 (Product without propellant)
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

**10. STABILITY AND REACTIVITY**

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.  
**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.  
**Conditions to Avoid:** Extremes of temperature and direct sunlight.  
**Incompatible Materials:** Strong oxidizing agents. Strong acids.  
**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

**11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain and redness.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.  
**Chronic Toxicity:** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.  
**Target Organ Effects:** Blood. Central nervous system. -Eyes. Liver. Reproductive System. Respiratory System. -Skin.

**Numerical Measures of Toxicity**  
 The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 9273 mg/kg  
 ATEmix (inhalation-gas): 1576708 mg/l  
 ATEmix (inhalation-dust/mist): 195.1 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
ethanol 64-17-5	= 7060 mg/kg ( Rat )	Not Available	= 124.7 mg/L ( Rat ) 4 h
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
propane 74-98-6	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
o-phenylphenol 90-43-7	= 1049 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 0.949 mg/L ( Rat ) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
ethanol 64-17-5	Not Available	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	Not Available	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static



o-phenylphenol 90-43-7	0.85: 72 h Desmodemus subspicatus mg/L EC50	3.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.74: 96 h Lepomis macrochirus mg/L LC50 2.75: 96 h Oncorhynchus mykiss mg/L LC50 5.8: 96 h Poecilia reticulata mg/L LC50 static	Not Available	1 - 2.5: 48 h Daphnia magna mg/L EC50 Static
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**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT:**  
**UN/ID No:** UN1950  
**Proper Shipping Name:** Aerosols  
**Hazard Class:** 2.1  
**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**15. REGULATORY INFORMATION**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**  
 This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	Yes
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**  
 This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
ethanol - 64-17-5	Carcinogen Developmental
o-phenylphenol - 90-43-7	Carcinogen

WARNING: This product contains a chemical known to the State of California to cause cancer.  
 WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**EPA Pesticide Registration Number:** 5741-22

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

Warning. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards: 1	Flammability: 4	Instability: 0	Special: N/A
<u>HMIS</u>	Health Hazards: 1	Flammability: 3	Physical Hazards: 2	

Revision Date: 08-May-2015  
Reasons for Revision: No information available.

**Disclaimer:**

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**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 27-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** TB-CIDE QUAT  
**Product Number:** 1021 , 1017  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A

**GHS Label Elements**

**Signal Word:**

**Warning**

**Symbols:**



**Hazard Statements:**

Causes serious eye irritation

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear eye / face protection

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

0.03383% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
diethylene glycol monobutyl ether	112-34-5	5-10
tetrasodium ethylenediaminetetraacetate	64-02-8	1-5
alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.1-1
alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b><u>Personal Protective Equipment</u></b>	

<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Lemon
<b>pH:</b>	11.5-12.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	98 °C / 208 °F
<b>Flash Point:</b>	> 94 °C / > 201 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.01
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
-Eye Contact:	Pain, redness, swelling of the conjunctiva and blurred vision.
-Skin Contact:	Drying of the skin.
-Inhalation:	Nasal discomfort and coughing.
-Ingestion:	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
Product Information:	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	12697 mg/kg
ATEmix (dermal):	27166 mg/kg
ATEmix (inhalation-dust/mist):	447.8 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
diethylene glycol monobutyl ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	Not Available
tetrasodium ethylenediaminetetraacetate 64-02-8	= 10 g/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
diethylene glycol monobutyl ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
tetrasodium ethylenediaminetetraacetate 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	Not Available	610: 24 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**15. REGULATORY INFORMATION**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:

**diethylene glycol monobutyl ether**

CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

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**Sudden release of pressure hazard:** No  
**Reactive Hazard:** No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 1839-83-5741

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

CAUTION. Keep out of reach of children. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

<b>16. OTHER INFORMATION</b>
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<u>NFPA</u>	Health Hazards: 2	Flammability: 0	Instability: 0	Special: N/A
<u>HMIS</u>	Health Hazards: 2	Flammability: 0	Physical Hazards: 0	

**Revision Date:** 27-Jul-2015  
**Reasons for Revision:** Section 14 and 15

**Disclaimer:**

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**End of Safety Data Sheet**

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 05-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** TRIBASE MULTIPURPOSE CLEANER  
**Product Number:** 3830  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2A

**GHS Label Elements**

**Signal Word:**

**Warning**

**Symbols:**



**Hazard Statements:**

Causes serious eye irritation

**Precautionary Statements:**

**Prevention:**

Wear eye / face protection  
Wash hands and any exposed skin thoroughly after handling.

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May cause skin irritation.
- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alkyl polyglucoside	68515-73-1	1-5
alcohol ethoxylate	68991-48-0	1-5
ethoxylated alkyl quaternary	61791-10-4	1-5
alkyl polyglucoside	110615-47-9	1-5
fragrance	PROPRIETARY	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment**

<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	dark yellow
<b>Odor:</b>	Pleasant
<b>pH:</b>	Undiluted: 8.0-9.0 / Diluted 1:64: 7.0-8.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.005
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

**11. TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 55209 mg/kg

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
ethoxylated alkyl quaternary 61791-10-4	= 580 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 2	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 2	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 0	

**Revision Date:** 05-Aug-2015

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Reasons for Revision: Section 14 and 15

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**End of Safety Data Sheet**

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## Virex II 256 One-Step Disinfectant Cleaner and Deodorant; Quat Based Disinfectant

Version Number: 3

Preparation date: 2018-07-26

### 1. IDENTIFICATION

**Product name:** Virex II 256 One-Step Disinfectant Cleaner and Deodorant; Quat Based Disinfectant  
**Product Code:** 04329, 04331, 04332, 3062637, 3062768, 5019317, 5271416  
**SDS #:** MS0801116  
**Recommended use:**

- Disinfectant
- This product is intended to be diluted prior to use
- Industrial/Institutional

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters  
 Diversey, Inc.  
 P.O. Box 19747  
 Charlotte, NC 28219-0747  
 Phone: 1-888-352-2249  
 SDS Internet Address: <https://sds.diversey.com>

**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

**Classification for the undiluted product**

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Flammability	Combustible liquid, Category 4
Metal Corrosion:	Category 1



**Signal Word:**

**Danger.**

**Hazard and Precautionary Statements**

**COMBUSTIBLE LIQUID. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. MAY BE CORROSIVE TO METALS.**

Causes burns/ serious damage to mouth, throat and stomach. Keep away from flames and hot surfaces. No smoking. Keep container tightly closed. Keep only in original container. Do not breathe spray. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician.

**Virex II 256 One-Step Disinfectant  
 Cleaner and Deodorant; Quat Based  
 Disinfectant**

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Absorb spillage to prevent material damage. Store in a well-ventilated place. Keep cool. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:256**

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

**Hazard and Precautionary Statements**

None required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

Ingredient(s)	CAS #	Weight %
Didecyl dimethyl ammonium chloride	7173-51-5	5 - 10%
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	5 - 10%
Ethyl alcohol	64-17-5	3 - < 5%
Tetrasodium salt of EDTA	64-02-8	1 - < 3%
Lauryl dimethyl amine oxide	1643-20-5	1 - < 3%
Sodium sesquicarbonate	533-96-0	1 - < 3%

\*Exact percentages are being withheld as trade secret information

**4. FIRST AID MEASURES**

**Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Most Important Symptoms/Effects:** Burning. Irritation.

**Immediate medical attention and special treatment needed** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

**Diluted Product:**

**Eyes:** Rinse with plenty of water.

**Skin:** No specific first aid measures are required

**Inhalation:** No specific first aid measures are required

**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

**5. FIRE-FIGHTING MEASURES**

**Specific methods:**

No special methods required

**Suitable extinguishing media:**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Specific hazards:**

Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

**6. ACCIDENTAL RELEASE MEASURES**



**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Keep tightly closed in a dry, cool and well-ventilated place.

**Aerosol Level (if applicable):** Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Ethyl alcohol	64-17-5	1000 ppm (STEL)	1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)

**Undiluted Product:**

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**

**Eye protection:** Chemical-splash goggles.  
**Hand protection:** Chemical-resistant gloves.  
**Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Eye protection:** No personal protective equipment required under normal use conditions.  
**Hand protection:** No personal protective equipment required under normal use conditions.  
**Skin and body protection:** No personal protective equipment required under normal use conditions.  
**Respiratory protection:** No personal protective equipment required under normal use conditions.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Evaporation Rate:** No information available  
**Odor threshold:** No information available.  
**Melting point/range:** Not determined  
**Autoignition temperature:** No information available  
**Solubility in other solvents:** No information available  
**Density:** 8.34 lbs/gal 1 Kg/L  
**Bulk density:** No information available  
**Flash point (°F):** 187 °F 86.1 °C  
**Viscosity:** No information available  
**VOC:** 3.58 % \*  
**Flammability (Solid or Gas):** Not applicable  
**Sustained combustion:** The product does not sustain combustion  
**Explosion limits:** - upper: Not determined - lower: Not determined  
@ 1:256

**Color:** Clear, Blue  
**Odor:** Minty  
**Boiling point/range:** Not determined  
**Decomposition temperature:** Not determined  
**Solubility:** Completely Soluble  
**Relative Density (relative to water):** 1.0  
**Vapor density:** No information available  
**Vapor pressure:** No information available.  
**Partition coefficient (n-octanol/water):** No information available  
**Elemental Phosphorus:** 0 % by wt.  
**pH:** 10.2  
**Corrosion to metals:** Corrosive

**Dilution pH:** 8.8  
**Dilution Flash Point (°F):** > 200 °F > 93.3 °C  
**VOC % by wt. at use dilution** 0.01%

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not Applicable
<b>Stability:</b>	The product is stable
<b>Hazardous decomposition products:</b>	None reasonably foreseeable.
<b>Materials to avoid:</b>	Oxidizing agents. Anionic surfactant. Do not mix with chlorinated products (such as bleach).
<b>Conditions to avoid:</b>	Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Do not mix with any other product or chemical.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure:**

Skin contact, Inhalation, Ingestion, Eye contact

### **Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea. Harmful if swallowed. Symptoms may include vomiting, nausea, and/or feeling of general unwellness.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Carcinogen Listings:** Ethyl alcohol is only classified as an IARC 1 carcinogen and California Prop 65 chemical when it is meant for ingestion in alcoholic beverages. We do not produce alcoholic beverages; therefore it is not considered a carcinogen in our products.

### **Numerical measures of toxicity**

<b>ATE - Oral (mg/kg):</b>	1500
<b>ATE - Dermal (mg/kg):</b>	>5000
<b>ATE - Inhalatory, mists (mg/l):</b>	>20

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal.

### **Waste from residues / unused products (undiluted product):**

This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

### **Waste from residues / unused products (diluted product):**

This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

### **Pesticide Storage:**

Refer to product label.

**Pesticide Disposal:**  
Refer to product label.

**Container Disposal:**  
Refer to product label.

**RCRA Hazard Class (undiluted product):** D002 Corrosive Waste.  
**RCRA Hazard Class (diluted product):** Not Regulated.

## 14. TRANSPORT INFORMATION

**DOT (Ground) Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III

**IMDG (Ocean) Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III, MARINE POLLUTANT

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA).

### U.S. Regulations

**EPA Reg. No. :** 70627-24

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear chemical splash-proof goggles or face shield, rubber gloves and protective clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

### CERCLA/ SARA

### Canadian Regulations

Ingredient(s)	CAS #	NPRI
Ethyl alcohol	64-17-5	X

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3  
Flammability 2  
Instability 0  
Special Hazards -

### Diluted Product:

Health 1  
Flammability 0  
Instability 0

**Version Number:** 3  
**Preparation date:** 2018-07-26

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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# SAFETY CONCERN & SUGGESTION REPORT

## GENERAL INFORMATION

Employee to fill in Sections 1-11

1. Please check appropriate item:     \_\_\_ Safety Concern   \_\_\_ Near Miss   \_\_\_ Other
2. Name: \_\_\_\_\_ Date: \_\_\_\_\_ Phone: \_\_\_\_\_
3. Supervisor: \_\_\_\_\_
4. Facility: \_\_\_\_\_
5. Please describe Safety Concern / Near Miss: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
6. Describe the exact location of the Safety Concern / Near Miss: \_\_\_\_\_  
 \_\_\_\_\_
7. Has anything been done previously to address this Safety Concern / Near Miss? \_\_\_ Yes \_\_\_ No
8. If yes, what has been done? \_\_\_\_\_  
 \_\_\_\_\_
9. If this was a Near Miss, state the conditions that put you and/or others at risk? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
10. If this was a Safety Concern / Near Miss, please state your recommended action: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
11. If this is a Suggestion, please state your recommended action: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# FOLLOW UP

Supervisor to fill in Sections 12 -18

12. Were you able to investigate the Safety Concern / Near Miss from the information provided?  
\_\_\_\_ Yes \_\_\_\_ No

13. If no, please state the reason(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. If the employee gave recommendations to fix the Safety Concern / Near Miss, were they implemented? \_\_\_\_ Yes \_\_\_\_ No

15. If no, please state the reason(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

16. What actions are planned to correct the Safety Concern / Near Miss? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

17. What is the expected completion date? \_\_\_\_\_

18. What is the actual completion date? \_\_\_\_\_

\_\_\_\_\_  
*Signature of Supervisor*

\_\_\_\_\_  
*Date*

**Employee(s):** Submit completed form to your Supervisor. If Anonymous, please submit to:

Corporate Administration Office  
Attn: Kimberly Hotchkiss or Aaron Schulze  
1395 N. Center Point Road  
Hiawatha, Iowa 52233

**Supervisor:** Please send completed form to the Corporate Administration Office and a Copy to the Branch Manager.

**\*\*\*ANY UNRESOLVED SAFETY CONCERNS / NEAR MISSES SHOULD BE TAKEN TO  
KIMBERLY HOTCHKISS OR AARON SCHULZE \*\*\***

**Additional Information:** \_\_\_\_\_  
\_\_\_\_\_