



SAFETY DATA SHEET

Issuing Date 20-May-2015

Revision Date 10-Dec-2015

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Sanigize

Other means of identification

Product Code(s) 5144

Synonyms None

UN Number 1903

Recommended use of the chemical and restrictions on use

Recommended Use Sanitizer Disinfectant

Uses advised against No information available

Supplier's details

Supplier Address

Sunburst Chemicals, Inc.
220 W. 86th St.
Bloomington, MN 55420
TEL: 952-884-3144

Emergency Telephone Number 1-866-303-6943

2. HAZARDS IDENTIFICATION

Classification


This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

| | |
|-------------------------------------|-------------|
| Acute toxicity if swallowed | Category 4 |
| Skin Corrosion / Irritation | Category 1B |
| Serious Eye Damage / Eye Irritation | Category 1 |

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **Danger**
• Harmful if swallowed or in contact with the skin
• Causes severe skin burns and eye damage



Appearance Blue

Physical State Liquid

Odor Characteristic

Precautionary Statements

Prevention

- Wear protective gloves
- Wear protective clothing
- Wash hands thoroughly after handling
- Do not breathe mist, vapors or spray
- Wear eye or face protection

General Advice

- Immediately call POISON CENTER or doctor/physician in all cases

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- Immediately call POISON CENTER or doctor/physician.

Skin

- IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse.

Ingestion

- IF SWALLOWED: Call POISON CENTER or doctor/physician immediately
 - Rinse mouth
- Do NOT induce vomiting

Storage

- Store locked up

Disposal

- Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Toxic to aquatic life

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS# | Wt % |
|---|------------|---------|
| Allkyl dimethyl benzyl ammonium chloride (C12-16) | 68424-85-1 | 8 - 10% |
| Didecyl dimethyl ammonium chloride | 7173-51-5 | 4 – 6% |
| Ethanol | 64-17-5 | 2 – 4% |

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

4. FIRST AID MEASURES

Description of necessary first-aid measures

General - Immediate medical attention is required

| | |
|---------------------|--|
| Eye Contact | Rinse immediately with plenty of water, and remove contact lenses, if present after 5 minutes. Also rinse under the eyelids for at least 15 minutes. Call a doctor or poison control center for treatment advice. |
| Skin Contact | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Take off and wash contaminated clothing before reuse. Call a doctor or poison control center for treatment advice. |
| Inhalation | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician. |
| Ingestion | 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 a Poison Control Center or a Doctor. Do not give anything by mouth to unconscious person. |

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Redness, irritation, burning sensation.

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

Notes to Physician Treat symptomatically If ingested do not induce vomiting
Probable mucosal damage may contraindication use of gastric lavage

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available

Explosion Data

| | |
|---|------|
| Sensitivity to Mechanical Impact | None |
| Sensitivity to Static Discharge | None |

Protective Equipment and Precautions for Firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental Precautions

Environmental Precautions Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Collect and reuse if possible. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Do not get on skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Harmful if absorbed through the skin

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Rubber gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|--|-------------------|--------------------------|--------------------------|
| Physical State | Liquid | Appearance | Blue |
| Odor | Characteristic | Odor Threshold | No information available |
| Property | Values | Remarks/ - Method | |
| pH use solution | 8 | None known | |
| Melting Point/Range | No data available | None known | |
| Boiling Point/Boiling Range | 212* F | None known | |
| Flash Point | None. | None known | |
| Evaporation rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limits in Air | | | |
| upper flammability limit | No data available | | |
| lower flammability limit | No data available | | |
| Vapor Pressure | No data available | None known | |
| Vapor Density | No data available | None known | |
| Relative Density | No data available | None known | |
| Specific Gravity | No data available | None known | |
| Water Solubility | Soluble | None known | |
| Solubility in other solvents | No data available | None known | |
| Partition coefficient: n-octanol/water | No data available | None known | |
| Autoignition Temperature | No data available | None known | |
| Decomposition Temperature | No data available | None known | |
| Viscosity | No data available | None known | |
| Flammable Properties | Not flammable | | |

| | |
|---------------------------------|-----------------|
| Explosive Properties | Not Explosive |
| Oxidizing Properties | Not an Oxidizer |
| <u>Other information</u> | |
| VOC Content (%) | 0% |

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing or reducing agent.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | May cause irritation of respiratory tract, or coughing |
| Eye Contact | Contact with eyes may cause irritation. May cause redness, itching, and pain |
| Skin Contact | Irritating to skin. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea |

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|------------------------------------|----------------------|--------------------------|-----------------|
| Didecyl Demethyl Ammonium Chloride | 238 mg/kg (Rat) est. | 3342 mg/kg (Rabbit) est. | |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness or irritation of affected area.

Delayed and immediate effects and also chronic effects from short and long term exposure

| | |
|---------------------------------|--|
| Sensitization | No information available. |
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredient listed as a carcinogen. |
| 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

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life. No other information available

Persistence and Degradability Biodegradable

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, local regulations and label instructions

Contaminated Packaging Dispose of in accordance with federal, state, local regulations and label instructions.

14. TRANSPORT INFORMATION

| | | |
|-------------------|--------------------------|---|
| <u>DOT</u> | DOT Hazard Class | 8, Corrosive |
| | DOT Proper Shipping Name | Disinfectant, Liquid Corrosive NOS (N, N-Didecyl, N,N dimethyl Ammonium Chlorite 8, UN1903. PG III |

15. REGULATORY INFORMATION

International Inventories

TSCA DSL/NDSL

Legend

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

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

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 in Section 2, Hazards Identification on this Safety Data Sheet. The pesticide label also includes other important information, including directions for use.

U.S. EPA Registration Number **47371-180-670**

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 |

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.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Ethanol: Listed in MA, PA, NJ

16. OTHER INFORMATION

| | | | | |
|--------------------|-----------------|----------------|-------------------|---------------------------------|
| <u>NFPA</u> | Health Hazard 3 | Flammability 0 | Instability 0 | Physical and Chemical Hazards - |
| <u>HMIS</u> | Health Hazard 3 | Flammability 0 | Physical Hazard 1 | Personal Protection X |

Prepared By Sunburst Chemicals
 220 West 86th St.
 Bloomington, MN 55420
 952-884-3144

Issuing Date 20-May-2015
 Revision Date 10-Dec-2015
 Revision Note New Issue

General Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.