EMORY UNIVERSITY
CAMPUS SANITIZATION PLAN

Updated: June 16, 2020
OVERVIEW

Campus Services, Building and Residential Services provides cleaning and sanitizing activities for Emory's campus.

In response to the COVID-19 pandemic, BRS has developed a Campus Sanitization strategy that will cover the sanitizing of the following areas throughout all university facilities:

- Common areas
- Lounges
- Classrooms
- Bathrooms
- Dining Spaces
**CLEANING / SANITIZATION DETAIL**

**Cleaning**
Normal dusting, waste removal, vacuuming, floor cleaning, etc. You can find additional detail in the Campus Services Guide to Services.

**Cleaning High Touch Surfaces**
Cleaning high touch surfaces such as building entryways, elevator lobbies, break rooms, etc. This will be done regularly throughout the day.

**Sanitization**
Sanitization of classrooms, congregate areas, restrooms etc. will be performed utilizing the misting sanitization product “ProKure V.” This will be performed once nightly.

**Disinfectants**
BRS is utilizing EPA-Registered disinfectants which are approved by EHSO and in alignment with CDC guidelines.

**Offices, Personal Spaces**
Sanitizing stations are located in facilities if occupants would like to perform additional sanitization in their offices and personal spaces.
Hand Sanitizer and Disinfecting Stations

Campus Services teams are installing and maintaining hand sanitizer and disinfection stations in facilities. These teams are following guidelines from EHSO regarding the recommended placement of hand sanitizer and disinfection stations.

**Disinfection Matrix by Area:** Please reference the matrix which outlines disinfection activities by area, disinfectant, frequency, and responsible party.

Soap and Hand Sanitizer Products

BRS provides the following soap and hand sanitizer solutions that are approved by EHSO and in alignment with EPA and CDC guidelines. Select the links to review the safety data sheets.

- **Hand Soap:** Medama Green Soap
- **Hand Sanitizer:** Medama Foaming Hand Sanitizer
<table>
<thead>
<tr>
<th>Service Type</th>
<th>Definition</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanitization – Spaces</td>
<td>Sanitizing the following spaces: Common areas, lounges, classrooms, restrooms, dining spaces, congregate areas Using a misting sanitizing solution, “ProKure V.”</td>
<td>Once, nightly</td>
</tr>
<tr>
<td>Cleaning – High Touch Surfaces</td>
<td>Cleaning high-touch surfaces such as building entryways, elevator lobbies, break room, doorknobs, etc.</td>
<td>Regularly throughout the day</td>
</tr>
<tr>
<td>Cleaning – Routine</td>
<td>Continuing normal cleaning routines such as dusting, waste removal, floor cleaning, etc. Please reference the Campus Services Guide to Services for details.</td>
<td>See the Guide to Services, BRS Section tables for details.</td>
</tr>
<tr>
<td>Cleaning – Personal Spaces</td>
<td>Sanitizing stations are located in facilities if occupants would like to perform additional sanitization in their offices and personal spaces.</td>
<td>Occupants perform as they see fit.</td>
</tr>
</tbody>
</table>
REFERENCE AND TECHNICAL GUIDES

Emory COVID-19 Website

Emory Campus Services Website

Emory Environmental Health and Safety Office Website

CDC

EPA Registered Disinfectants
APPENDIX: SANITIZATION/CLEANING PRODUCTS

Sanitization Product: ProKure V

Hand Soap: Medama Green Soap

Hand Sanitizer: Medama Foaming Hand Sanitizer
SAFETY DATA SHEET
This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

CHEMICAL SUPPLIER COMPANY NAME
ProKure Solutions
225 West Deer Valley Road
Phoenix, AZ 85027

EMERGENCY TELEPHONE
Chemtrec 24 hrs: 800-424-9300
Information: 623-780-2296
Fax: 623-516-0414
safety@prokuresolutions.com

MANUFACTURER’S NAME: ProKure Solutions
ADDRESS: 225 West Deer Valley Road
TELEPHONE NUMBER: 623-780-2296
1-888-824-2918

DATE PREPARED: July 25, 2014
DATE REVIEWED: September 5, 2014

PRODUCT NAMES: ProKure V
FORMULA: Mixture
PRODUCT USE: Disinfectant/Sanitizer/Tuberculocide/Virucide/Fungicide/Algaecide/Slimicide/Deodorizer

The product is designed to generate up to a 500 ppm of chlorine dioxide solution when the ProKure V pouch is placed in specified amount of water. The product design limits both the amount of gas generated and the rate of release into solution. The product produces chlorine dioxide gas when the contents are adequately wetted.

Section 2: Hazards Identification

1. 500ppm chlorine dioxide (ClO₂) solution in water: After adding the ProKure V pouch to water, low levels of chlorine dioxide is generated and dissolved in the water. Follow usage instructions for applicable amounts of water to use.

GHS Hazard Class
Acute Toxicity Dermal -- Category 5
No Symbol
Warning
May be harmful if in contact with skin
No Precautionary statement
Prevention
Response
Call a Poison Control center or doctor/physician if you feel unwell
Storage
No Precautionary statement

NFPA RATINGS:

<table>
<thead>
<tr>
<th>Component</th>
<th>Health (Blue)</th>
<th>Flammability (Red)</th>
<th>Instability (Yellow)</th>
<th>Special (White)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine Dioxide (ClO₂):</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>---</td>
</tr>
</tbody>
</table>

2. Used, reacted pouch: Used pouch can be disposed of in general trash, municipal trash.

NFPA RATINGS:

<table>
<thead>
<tr>
<th>Component</th>
<th>Health (Blue)</th>
<th>Flammability (Red)</th>
<th>Instability (Yellow)</th>
<th>Special (White)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used / reacted pouch</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>No Water</td>
</tr>
</tbody>
</table>
3. **Unreacted chemical mixture inside sealed, tear resistant pouch:** The chemical mixture inside the sealed pouch is not expected to pose a hazard unless the pouch is damaged and the powder mixture is exposed. This section specifically applies to exposure to the white granular powder mixture inside the sealed pouch.

**GHS Hazard Class**
- Acute Toxicity Oral -- Category 4
- Acute Toxicity Dermal -- Category 3
- Acute Toxicity Inhalation -- Category 3
- Skin Corrosive -- Category 1B
- Eye Corrosive -- Category 1
- Specific target organ toxicity, single exposure Category 2 (Kidney)
- Specific target organ toxicity, repeated exposure Category 2 (Blood)
- Hazardous to the Aquatic Environment—Hazard -- Category 1
- Hazardous to the Aquatic Environment—Long Term Hazard -- Category 1

**Signal word:** Danger

**Hazard Statement:**
- Harmful if swallowed
- Toxic in contact with skin
- Toxic if inhaled
- Causes severe skin burns
- Causes serious eye damage
- May form combustible dust concentrations in air.
- May cause damage to organs (Kidney)
- May cause damage to organs (Blood) through prolonged or repeated exposure.
- Very toxic to aquatic life
- Very toxic to aquatic life with long lasting effects

**Precautionary Statements:**

**Prevention**
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment

**Response**
- If Swallowed: Call a Poison Control center/doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
- If ON SKIN (or hair): Wash with plenty of water.
- If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- Collect spillage

**Storage**
- Store locked up
- Store in a well-ventilated place. Keep container tightly closed.

**Disposal**
- Dispose of waste materials and container by following the waste disposal requirements of your country, state, or local authorities.

**HAZARD CLASSIFICATION:**
- Classified as Hazardous based on IATA, IMDG, and DOT.

**FIRE AND EXPLOSION:**
- Not applicable

**POTENTIAL HEALTH EFFECTS:**
- <0 % of mixture consists of ingredients of unknown acute toxicity
- Causes severe eye damage.
- Causes severe skin burns.
- Harmful if inhaled. May cause respiratory irritation.
- Harmful if swallowed.
- None

**APPEARANCE:**
- White granular powder

**NFPA RATINGS:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Health (Blue)</th>
<th>Flammability (Red)</th>
<th>Instability (Yellow)</th>
<th>Special (White)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unreacted chemical mixture inside sealed, tear resistant pouch</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>No Water</td>
</tr>
</tbody>
</table>
Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>APPROX %</th>
<th>ACGI H TLV</th>
<th>OSHA PEL</th>
<th>NIOSH REL</th>
<th>CAS NO.</th>
<th>REACH</th>
<th>DANGER SYMBOL</th>
<th>R-RISK PHRASE</th>
<th>DSL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS-1</td>
<td>60.5</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>TS</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Sodium Chlorite</td>
<td>30.5</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>7758-19-2</td>
<td>231-836-6</td>
<td>-----</td>
<td>-----</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

| Product | 500 ppm ClO₂ | ----- | ----- | ----- | 10049-04-4 | 233-162-8 | ----- | ----- | Y | Y |

Some items on this MSDS may be designated as trade secrets (TS). Bona fide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13. The Full List for all R phrases is shown in Section 16.

Section 4: First Aid Measures

INHALATION: Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.
SKIN CONTACT: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing.
EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
INGESTION: If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

Section 5: Fire-fighting Measures

FLASH POINT: Not applicable
FLAMMABLE LIMITS IN AIR (% by vol): Not applicable
EXTINGUISHING MEDIA: CO₂, Dry chemical, foam, water fog,
SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus and full protective clothing must be worn.
UNUSUAL FIRE AND EXPLOSION HAZARDS: If unreacted pouch, approach fire from upwind to avoid hazardous vapors and toxic composition products. Wear self-contained breathing apparatus and protective clothing when fighting fire involving chemicals. If large amounts of products are involved in a fire, it is possible that the application of water will release high concentrations of chlorine dioxide gas into the water.

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF UNREACTED POUCH IS RELEASED OR SPILLED:
  - Wear proper protective equipment as specified in Section 8: Exposure Controls/Personal Protection
  - Contain spill.
  - Recover spill by using absorbent, mop, or towels.
  - Place material into a chemical waste container.
  - Eliminate all sources of ignition and ventilate area.
  - Prevent spills or contaminated rinse water from entering sewers or watercourses.

DISPOSAL METHOD:
  - Disposal of this container: Reference Section 13 of this MSDS.
Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
- Store upright in a cool, dark, dry place.
- Keep container closed when not in use.
- Use only with adequate ventilation.
- Wear proper protective equipment when handling this material.
- Avoid contact with skin, eyes, or clothing.
- Wash hands and face after handling this material.
- Follow all applicable local regulations for handling and storage.
- Utilize chemical segregation.

INFORMATION ON EmPTIED CONTAINER
Dispense of this container according to local, state, and federal laws in your country.

SPECIFIC USES: Disinfectant/ Sanitizer/ Tuberculocide/ Virucide/ Fungicide/ Algaecide/ Slimicide/ Deodorizer

Section 8: Exposure Controls/Personal Protection

VENTILATION: Always provide good general, mechanical room ventilation where this chemical/material is used.

RESPIRATORY PROTECTION: No respiratory protection normally required.
- Wear chemical impervious gloves at all times while working with this product. Recommended glove types include: Laminate Film, Nitrile, or Tri-polymer. Check with your company’s glove supplier to ensure chemical resistance.
- Safety Glasses, Chemical goggles, face shield
- Wear suitable protective clothing to prevent skin contact.
- Avoid breathing vapor. Avoid contact with eyes. Wash hands after handling.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>APPEARANCE - COLOR</th>
<th>UNREACTED POUCH CRITERIA</th>
<th>PRODUCT CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL STATE:</td>
<td>Powder</td>
<td>Liquid</td>
</tr>
<tr>
<td>ODOR:</td>
<td>Slight Chlorine</td>
<td>Chlorine</td>
</tr>
<tr>
<td>ODOR THRESHOLD</td>
<td>Not Available for product</td>
<td>0.2—1.0 PPM</td>
</tr>
<tr>
<td>PH</td>
<td>Not Available for product</td>
<td>2-3 at 8g/l</td>
</tr>
<tr>
<td>FLASH POINT:</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>LOWER EXPLOSIVE LIMIT; UPPER EXPLOSIVE LIMIT</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>FLAMMABILITY (Solid, gas)</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>EXPLOSIVE PROPERTIES</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>OXIDIZING PROPERTIES</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (@ 25°C):</td>
<td>Not Available for product</td>
<td>~1.0 (Water)</td>
</tr>
<tr>
<td>EVAPORATION RATE:</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>% VOLATILE by VOLUME</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>PARTITION COEFFICIENT</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>AUTO IGNITION TEMPERATURE</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>DECOMPOSITION TEMPERATURE</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>BOILING POINT:</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>Not Available for product</td>
<td>2.4</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER:</td>
<td>Complete</td>
<td>8 g/l at 15 °C</td>
</tr>
<tr>
<td>FREEZING POINT:</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>VISCOSITY:</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>VOC CONTENT</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>RINSIBILITY</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>CORROSIVE</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
<tr>
<td>ΔH (Delta Heat of Combustion)</td>
<td>Not Available for product</td>
<td>Not Available for product</td>
</tr>
</tbody>
</table>
Section 10: Stability and React Section

<table>
<thead>
<tr>
<th>STABILITY:</th>
<th>UNREACTED POUCH</th>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable under normal conditions.</td>
<td>Stable under normal conditions.</td>
<td></td>
</tr>
</tbody>
</table>

**CONDITIONS TO AVOID:**
Temperatures above 347°F (175°C), do not store dry product where exposed to moist conditions and contamination with combustible materials.

**INCOMPATIBILITY (MATERIALS TO AVOID):**
Acids, reducing agents, combustible materials, oxidizers (e.g. hypochlorites) or easily oxidizable materials.

**HAZARDOUS POLYMERIZATION:**
Will not occur

Section 11: Toxicological Information

<table>
<thead>
<tr>
<th>GHS Required Criteria</th>
<th>Toxicity Criteria</th>
<th>Data</th>
<th>Comments</th>
<th>Chemical Constituent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>LD50 Oral Rat</td>
<td>506 mg/kg</td>
<td></td>
<td>Unreacted Pouch Contents</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>315 mg/kg</td>
<td></td>
<td>Unreacted Pouch Contents</td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
<td>0.68 mg/l</td>
<td></td>
<td>Unreacted Pouch Contents</td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>&gt;2000 mg/kg</td>
<td>500 ppm ClO2 Solution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Rabbit - Corrosive</td>
<td></td>
<td>Sodium Chlorite</td>
<td></td>
</tr>
<tr>
<td>Serious Eye Damage / Eye Irritation</td>
<td>Rabbit - Severe eye irritation 24h</td>
<td></td>
<td>Sodium Chlorite</td>
<td></td>
</tr>
<tr>
<td>Respiratory or Skin Sensitization</td>
<td>No information is available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No information is available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No information is available</td>
<td></td>
<td>NTP</td>
<td></td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>No information is available</td>
<td></td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td>STOT – Single Exposure</td>
<td>No information is available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOT – Repeated Exposure</td>
<td>No information is available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>No information is available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ames test</td>
<td>No information is available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STOT = Specific Target Organ Systemic Toxicity

**OTHER INFORMATION:**
Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Section 12: Ecological Information

| Biodegradation: | No information is available. | |
| Bioaccumulation: | No information is available. | |
| ECO TOXICITY: | LC50 - Cyprinodon variegatus (sheepshead minnow) 177mg/l | Unreacted Pouch Contents |
| EC50 - Daphnia magna (Water flea) – 105 mg/l | Unreacted Pouch Contents |
| LC50 - Cyprinodon variegatus (sheepshead minnow) 150 g/l | 500 ppm ClO2 Solution |
| EC50 - Daphnia magna (Water flea) – 580 mg/l | 500 ppm ClO2 Solution |
| EC50 - Daphnia magna (Water flea) – .29 mg/l 48hrs | Sodium chlorite |
| MOBILITY: | No information is available. | |
Section 13: Disposal Considerations

WASTE FROM RESIDUES / UNUSED PRODUCTS / CONTAMINATED PACKAGING:
Dispose of in accordance with federal, state, and local disposal regulations.

RINSATE: Do not dispose of rinse water containing product in a storm water drainage system.

Section 14: Transport Information

ROAD TRANSPORT:
ADR = International Carriage of Dangerous Goods by Road
UN NUMBER: UN3261
DOT PROPER SHIPPING NAME: Corrosive solid, acidic, organic, N.O.S. (Sodium Chlorite)
DOT / ADR HAZARD CLASS: Corrosive
DOT / ADR LABELS: Class 8
PLACARD: Corrosive, Class 8
DOT / ADR PACKAGING GROUP: III
Special Provisions: IBA, IP3, T1, TP33
Packaging Exception: 154
Packaging Non Bulk: 213
Packaging Bulk: 240

SEA TRANSPORT: IMDG
PROPER SHIPPING NAME: Corrosive solid, acidic, organic, N.O.S. (Sodium Chlorite)
UN NUMBER SEA: UN3261
CLASS: 8
PACKING GROUP: III
EmS No.: F-A, S-B
MARINE POLLUTANT: Yes
SEA TRANSPORT NOTES: None

AIR TRANSPORT: IATA/ICAO
UN NUMBER: UN3261
PROPER SHIPPING NAME: Corrosive solid, acidic, organic, N.O.S. (Sodium Chlorite)
HAZARD CLASS: 8
PACKAGING GROUP: III

General Information: This product meets the limited quantities exception as follows: DOT/IMDG: Limited quantities up to 5.0 kg.

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:
This product is in compliance with rules, regulations, and/or orders of TSCA.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:
This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. The toxic chemicals contained in this product are: None

CALIFORNIA PROPOSITION 65:
This regulation requires a warning for California Proposition 65 chemical(s) under the statute.
The California proposition 65 chemical(s) contained in this product are: None

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:
Florida Toxic Substance(s): None
Massachusetts’s hazardous substance(s): None, Sodium Chlorite
Pennsylvania hazardous substance code(s): TS-1, Sodium Chlorite
New Jersey

ProKure™ V
MSDS Page 6 of 7
Illinois: None
Michigan: None

**CANADA:**
This MSDS/SDS will be non-compliant 3 years after the issue date. This MSDS contains all of the information required by the Controlled Products Regulations (CPR).

**WHMIS-INFORMATION:**
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to be WHMIS controlled.

**Unreacted Pouch Contents:**
- Sodium Chlorite: C - Oxidizing material
- D1B - Poisonous and infectious material - Immediate and serious effects – Toxic
- TS1: E - Corrosive material

**EUROPEAN UNION:**
This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Directive 67/548/EEC, Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP) of substances and mixtures.
WGK: 0 (German Federal Water Management Act) (Water Hazard Class)

**Section 16: Other Information**

**Full Text:**
European Community Hazards Identification:
- R: None
- S: None
- Danger Symbol(s): None

**Revision Comments:** Initial version August 1, 2014
**Revision Number:** 0
**Information Sources:** RTECS, REACH, OSHA 29CFR 1910.1200

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of ProKure Solutions’ knowledge; however, ProKure Solutions makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY or FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. ProKure Solutions assumes no responsibility for the injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.
1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier  Medama Green Soap
Product Name
Other means of identification
Product Code  TM958
Synonyms  None

Details of the supplier of the safety data sheet
Medama Solutions
1365 61 Street,
Brooklyn, NY 11219
Emergency telephone number  973-962-1121
Emergency Telephone  Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

| Acute toxicity - Oral | Not classified |
| Acute toxicity - Dermal | Not classified |

Label elements

Emergency Overview

Hazard statements NA

Appearance  Clear  Physical state  Liquid  Odor  Mild

Precautionary Statements - Prevention
Avoid release to the environment

Precautionary Statements - Response
Get medical advice/attention if you feel unwell

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

Hazards not otherwise classified (HNOC)  NA
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocamidopropyl Betaine</td>
<td>61789-40-0</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

First aid measures

Skin Contact
Wash skin with soap and water.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Inhalation
Remove to fresh air.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms
Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
Caution: Use of water spray when fighting fire may be inefficient.

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
Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions
See Section 12 for additional ecological information.
Methods and material for containment and cleaning up

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

Methods for cleaning up
Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

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

Incompatible materials
None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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

Appropriate engineering controls

Engineering Controls
Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
No special technical protective measures are necessary.

Skin and body protection
No special technical protective measures are necessary.

Respiratory protection
No special technical protective measures are necessary.

General Hygiene
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state
Liquid

Appearance
Clear

Color
Water white

Odor
Mild

Odor threshold
No Information available

Property
Values
Remarks • Method

pH
6.0 - 7.0

Specific Gravity
1.02

Viscosity
3000 to 6000 cps/70

Melting point/freezing point
No Information available

Flash point
above 200F

Boiling point / boiling range
No Information available

Evaporation rate
No Information available

Flammability (solid, gas)
Flammability Limits in Air
Upper flammability limit: Not Applicable
Lower flammability limit: Not Applicable
Vapor pressure: No Information available
Vapor density: No Information available
Water solubility: Complete
Partition coefficient: No Information available
Autoignition temperature: No Information available
Decomposition temperature: No Information available

Other Information
Density Lbs/Gal: 8.51
VOC Content (%): Not Applicable

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
Extremes of temperature and direct sunlight.

Incompatible materials
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation None known.
Eye contact Contact with eyes may cause irritation.
Skin Contact None known.
Ingestion Do not taste or swallow.

Information on toxicological effects

Symptoms No Information available.

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.
Persistence and degradability 100%
No information available.

Bioaccumulation
0%

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Do not reuse container.
14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT
Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA Complies
DSL/NDSL Complies

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
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

SARA 311/312 Hazard Categories
Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard 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

U.S. EPA Label Information
EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA
Health hazards 0 Flammability 0 Instability 0 Physical and Chemical Properties Yes
HMIS
Health hazards 0 Flammability 0 Physical hazards 0 Personal protection X
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
1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
MEDAMA FOAMING HAND SANITIZER

Product Name

Other means of identification
SDS# TMS68

Details of the supplier of the safety data sheet
Medama Solutions
1365 61st Street, Brooklyn NY 11219
718-492-7200 - info@acejan.com

Emergency telephone number
Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| Acute toxicity - Oral | Not classified |
| Acute toxicity - Dermal | Not classified |
| Flammable liquids | Category 2 |

Label elements

Hazard statements
Harmful to aquatic life with long lasting effects
Highly flammable liquid and vapor

Appearance Clear
Physical state Liquid
Odor Alcohol

Precautionary Statements - Prevention
Avoid release to the environment

Precautionary Statements - Response
Specific Treatment (See Section 4 on the SDS)
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Other Information
Unknown Acute Toxicity  71.65% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>60-90</td>
<td>*</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>67-63-0</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Chlorhexidine Gluconate</td>
<td>18472-51-0</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

First aid measures

General advice
Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Skin Contact
Wash off immediately with plenty of water.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Inhalation
Remove to fresh air.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

Self-protection of the first aider
Remove all sources of ignition.

Most important symptoms and effects, both acute and delayed

Symptoms
Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
Caution: Use of water spray when fighting fire may be inefficient.

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
Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

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

Methods for cleaning up
Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

Incompatible materials
None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
Exposure guidelines noted for ingredient(s).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>IDLH: 3300 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1900 mg/m³</td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 1000 ppm</td>
<td>(vacated) TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>2-Propanol 67-63-0</td>
<td>STEL: 400 ppm</td>
<td>TWA: 400 ppm</td>
<td>IDLH: 2000 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 200 ppm</td>
<td>TWA: 980 mg/m³</td>
<td>TWA: 400 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 400 ppm</td>
<td>(vacated) TWA: 980 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 500 ppm</td>
<td>(vacated) STEL: 1225 mg/m³</td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir. 1992).
Appropriate engineering controls

Engineering Controls  Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection  No special technical protective measures are necessary.

Skin and body protection  No special technical protective measures are necessary.

Respiratory protection  No protective equipment is needed under normal use conditions.

General Hygiene  Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No Information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.5 - 7.5</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>.85</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>10 cP @ 25°C</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>21 °C 70 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
</tbody>
</table>

Other Information

<table>
<thead>
<tr>
<th>Density Lbs/Gal</th>
<th>7.09</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Content (%)</td>
<td>74.5</td>
</tr>
</tbody>
</table>

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
Heat, flames and sparks.

Incompatible materials
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
Avoid breathing vapors or mists.

Eye contact
No data available. Avoid contact with eyes.

Skin Contact
No known hazard in contact with skin.

Ingestion
No data available. Do not taste or swallow.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>7060 mg/kg (Rat)</td>
<td>Yes</td>
<td>124.7 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanol</td>
<td>1870 mg/kg (Rat)</td>
<td>4059 mg/kg (Rabbit)</td>
<td>72600 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>67-63-0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
No Information available.

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
The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol</td>
<td>Yes</td>
<td>Group 3</td>
<td>Yes</td>
<td>X</td>
</tr>
<tr>
<td>67-63-0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen
Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program)
Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity
No Information available.

STOT - single exposure
No Information available.

STOT - repeated exposure
No Information available.
Chronic toxicity
Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. 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
EYES, Respiratory system, Skin, Blood, Central nervous system, Liver, Reproductive System.

Aspiration hazard
No Information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity
71.65% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity
72.65% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td></td>
<td>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</td>
<td>9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L LC50</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanol</td>
<td>1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus mg/L LC50</td>
<td>13299: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>67-63-0</td>
<td>500: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>337 - 352: 96 h Pimephales promelas mg/L LC50 flow-through 366: 96 h Pimephales promelas mg/L LC50 static 220 - 460: 96 h Leuciscus idus mg/L LC50 static</td>
<td>500: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>2-Phenoxyethanol</td>
<td>122 99-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8001-54-5</td>
<td></td>
<td>0.223 - 0.46: 96 h Lepomis macrochirus mg/L LC50 static 1.3: 96 h Poecilia reticulata mg/L LC53 semi-static 0.623 - 1.61: 96 h Oncorhynchus mykiss mg/L LC50 static 2.4: 96 h Oryzias latipes mg/L LC50 semi-static</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Persistence and degradability
No Information available.

Bioaccumulation
No Information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Other adverse effects
No Information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Do not reuse container.
This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol</td>
<td>Toxic</td>
</tr>
<tr>
<td>67-63-0</td>
<td>Ignitable</td>
</tr>
</tbody>
</table>

### 14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT**
- UN/ID No.: UN1170
- Proper shipping name: Ethanol solutions
- Hazard Class: 3
- Packing Group: II

### 15. REGULATORY INFORMATION

**International Inventories**
- TSCA: Complies
- DSL/NDSL: Complies

**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**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol - 67-63-0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazard Categories**

- Acute health hazard: No
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: 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 contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
</table>
U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>2-Propanol 67-63-0</td>
<td>X</td>
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<td>2-Phenoxyethanol 122-99-6</td>
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U.S. EPA Label Information
EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

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<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
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<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protection</th>
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Issue Date 03-Feb-2015
Revision Date 03-Feb-2015
Revision Note No Information available

Disclaimer
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End of Safety Data Sheet