SAFETY DATA SHEET

1. Identification

**Product identifier:** Mr. Jinx All PURPOSE Cleaner Lavender Scent

**Other means of identification**

**SDS number:** RE1000016140

**Recommended restrictions**

**Product use:** Cleaner

**Restrictions on use:** Not known.

**Manufacturer/Importer/Distributor Information**

**Manufacturer**

- **Company Name:** Sprayway, Inc.
- **Address:** 1000 INTEGRAM DR.
  Pacific, MO 63069
- **Telephone:** 1-630-628-3000
- **Fax:**

**Emergency telephone number:** 1-866-836-8855

2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

- Flammable aerosol

**Health Hazards**

- Serious Eye Damage/Eye Irritation

**Environmental Hazards**

- Acute hazards to the aquatic environment

**Label Elements**

**Hazard Symbol:**

![Hazard Symbol]

**Signal Word:** Danger

**Hazard Statement:** Extremely flammable aerosol. Causes serious eye damage. Harmful to aquatic life.
Prevention: 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. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response: 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/doctor.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>111-76-2</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>68439-46-3</td>
<td>3 - &lt;5%</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)</td>
<td>64-02-8</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>151-21-3</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>1310-73-2</td>
<td>0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Inhalation: Move to fresh air.

Skin Contact: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.
5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire. Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

Methods and material for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Notification Procedures: Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

7. Handling and storage

Precautions for safe handling: Do not get in eyes. Wash hands thoroughly after handling. 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.

Conditions for safe storage, including any incompatibilities: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 1

8. Exposure controls/personal protection
<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>TWA</td>
<td>20 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm 120 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>5 ppm 24 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>50 ppm 240 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Butane</td>
<td>REL</td>
<td>800 ppm 1,900 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1,000 ppm 1,900 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>800 ppm 1,900 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Propane</td>
<td>REL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>Ceiling</td>
<td>2 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>Ceiling</td>
<td>2 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>Ceiling</td>
<td>2 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>2 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Ammonium hydroxide (<a href="OH">NH4</a>)</td>
<td>STEL</td>
<td>35 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>35 ppm 27 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>35 ppm 27 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>25 ppm 18 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>50 ppm 35 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-</td>
<td>REL</td>
<td>2 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>3 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>2 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>TWA</td>
<td>10 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>1,4-Dioxane</td>
<td>TWA</td>
<td>25 ppm 90 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>Cell_Time</td>
<td>1 ppm 3.6 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>20 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 360 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>Cell_Time</td>
<td>5 ppm 9 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>OSHA_AC T</td>
<td>0.5 ppm</td>
<td>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>0.1 ppm 0.18 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>5 ppm</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
</tbody>
</table>
### Biological Limit Values

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy- (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: End of shift.)</td>
<td>200 mg/g (Creatinine in urine)</td>
<td>ACGIH BEL (03 2013)</td>
</tr>
<tr>
<td>Ethylene Oxide (S-(2-hydroxyethyl) mercapturic acid (HEMA): Sampling time: End of shift.)</td>
<td>5 µg/g (Creatinine in urine)</td>
<td>ACGIH BEL (03 2018)</td>
</tr>
<tr>
<td>Ethylene Oxide (N-(2-hydroxyethyl)-valine (HEV) hemoglobin adducts: Sampling time: Not critical.)</td>
<td>5000 pmol/g (Hemoglobin adducts)</td>
<td>ACGIH BEL (03 2018)</td>
</tr>
</tbody>
</table>

### Appropriate Engineering Controls

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

**General information:** Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection:**
Wear a full-face respirator, if needed. Wear safety glasses with side shields (or goggles) and a face shield.

**Skin Protection**

- **Hand Protection:** No data available.
- **Other:** No data available.

**Respiratory Protection:**
In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:**
Do not get in eyes. Observe good industrial hygiene practices. When using do not smoke.

### 9. Physical and chemical properties

**Appearance**

- **Physical state:** liquid
- **Form:** Spray Aerosol
- **Color:** No data available.
- **Odor:** No data available.
- **Odor threshold:** No data available.
- **pH:** No data available.
- **Melting point/freezing point:** No data available.
- **Initial boiling point and boiling range:** No data available.
- **Flash Point:** -104.44 °C
- **Evaporation rate:** No data available.
- **Flammability (solid, gas):** No data available.
- **Upper/lower limit on flammability or explosive limits**
  - **Flammability limit - upper (%):** No data available.
  - **Flammability limit - lower (%):** No data available.
  - ** Explosive limit - upper (%):** No data available.
Explosive limit - lower (%): No data available.
Vapor pressure: 2,757.9029 - 4,136.8544 hPa (20 °C)
Vapor density: No data available.
Density: No data available.
Relative density: No data available.
Solubility(ies)
   Solubility in water: No data available.
   Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

10. Stability and reactivity
Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No data available.
Conditions to avoid: Avoid heat or contamination.
Incompatible Materials: No data available.
Hazardous Decomposition Products: No data available.

11. Toxicological information
Information on likely routes of exposure
   Inhalation: No data available.
   Skin Contact: No data available.
   Eye contact: No data available.
   Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics
   Inhalation: No data available.
   Skin Contact: No data available.
   Eye contact: No data available.
   Ingestion: No data available.

Information on toxicological effects
   Acute toxicity (list all possible routes of exposure)
   Oral Product: ATEmix: 9,247.19 mg/kg
Dermal Product: ATEmix: 11,030.39 mg/kg

Inhalation Product: ATEmix: 412.37 mg/l
ATEmix: 31.12 mg/l

Repeated dose toxicity Product:
No data available.

Specified substance(s):
Ethanol, 2-butoxy-
NOAEL (Rabbit(Female, Male), Dermal, 90 d): > 150 mg/kg Dermal Experimental result, Key study
NOAEL (Rat(Female), Oral, 90 d): < 82 mg/kg Oral Experimental result, Key study
NOAEL (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation Experimental result, Key study
Alcohols, C9-11, ethoxylated
NOAEL (Rat(Female, Male), Oral, 90 d): >= 500 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Key study
Butane
LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
LOAEL (Rat(Male), Inhalation, 1 - 5 d): 30 mg/m3 Inhalation Read-across from supporting substance (structural analogue or surrogate), Key study
Propane
NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
Sulfuric acid monododecyl ester sodium salt (1:1)
NOAEL (Rat(Female, Male), Oral, 13 Weeks): 482 mg/kg Oral Experimental result, Supporting study

Skin Corrosion/Irritation Product:
No data available.

Specified substance(s):
Ethanol, 2-butoxy-
in vivo (Rabbit): Irritating Experimental result, Key study
Alcohols, C9-11, ethoxylated
in vivo (Rabbit): Not irritant Read-across based on grouping of substances (category approach), Weight of Evidence study
Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
in vivo (Rabbit): Not irritant Experimental result, Key study
Sulfuric acid monododecyl ester sodium salt (1:1)
in vivo (Rabbit): Irritating Experimental result, Key study

Serious Eye Damage/Eye Irritation Product:
No data available.

Specified substance(s):
Ethanol, 2-butoxy-
Rabbit, 24 - 72 hrs: Irritating
Sulfuric acid monododecyl ester sodium salt (1:1)  
Rabbit, 24 - 72 hrs: Irritating.

Sodium hydroxide (Na(OH))  
Corrosive  
Rabbit, 2 d: 10% Sodium Hydroxide- Category 1; 0.5% Sodium Hydroxide- Slightly irritating to eyes

Respiratory or Skin Sensitization
Product:  
No data available.

Specified substance(s):
- Ethanol, 2-butoxy-
- Glycine, N,N'-1,2-
- ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)
- Sulfuric acid monododecyl ester sodium salt (1:1)

Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity
Product:  
No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity
In vitro
Product:  
No data available.

In vivo
Product:  
No data available.

Reproductive toxicity
Product:  
No data available.

Specific Target Organ Toxicity - Single Exposure
Product:  
No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product:  
No data available.

Aspiration Hazard
Product:  
No data available.

Other effects:
No data available.
## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

<table>
<thead>
<tr>
<th>Fish Product:</th>
<th>Specified substance(s):</th>
<th>LC 50 (Oncorhynchus mykiss, 96 h)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ethanol, 2-butoxy-</td>
<td>Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td>Alcohols, C9-11, ethoxylated</td>
<td>1,474 mg/l</td>
</tr>
<tr>
<td>Butane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)</td>
<td>LC 50 (Lepomis macrochirus, 96 h): 121 mg/l Experimental result, Key study NOAEL (Lepomis macrochirus, 96 h): 88 mg/l Experimental result, Key study</td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>LC 50 (Pimephales promelas, 96 h): 29 mg/l Experimental result, Key study</td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 125 mg/l Mortality LC 50 (Gambusia affinis, 96 h): &lt; 180 mg/l Experimental result, Supporting study</td>
<td></td>
</tr>
</tbody>
</table>

#### Aquatic Invertebrates Product:

<table>
<thead>
<tr>
<th>Specified substance(s):</th>
<th>EC 50 (Daphnia magna, 48 h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>1,550 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>2.5 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>Butane</td>
<td>69.43 mg/l QSAR QSAR, Key study</td>
</tr>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)</td>
<td>610 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>1.8 mg/l Experimental result, Not specified</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>34.59 - 47.13 mg/l Intoxication</td>
</tr>
</tbody>
</table>

### Chronic hazards to the aquatic environment:

<table>
<thead>
<tr>
<th>Fish Product:</th>
<th>No data available.</th>
</tr>
</thead>
</table>
Specified substance(s):
Ethanol, 2-butoxy-
Alcohols, C9-11, ethoxylated
Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
Sulfuric acid monododecyl ester sodium salt (1:1)

Aquatic Invertebrates
Product:
Specified substance(s):
Ethanol, 2-butoxy-
Alcohols, C9-11, ethoxylated
Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
Sulfuric acid monododecyl ester sodium salt (1:1)

Toxicity to Aquatic Plants
Product:
Specified substance(s):
Sulfuric acid monododecyl ester sodium salt (1:1)

Persistence and Degradability
Biodegradation
Product:
Specified substance(s):
Ethanol, 2-butoxy-
Alcohols, C9-11, ethoxylated
Butane
Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
Propane

SDS_US - RE1000016140

NOAEL (Danio rerio): > 100 mg/l Experimental result, Key study
NOAEL (Pimephales promelas): 0.16 mg/l Read-across based on grouping of substances (category approach), Weight of Evidence study
NOAEL (Danio rerio): >= 25.7 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
NOAEL (Pimephales promelas): > 1.357 mg/l Experimental result, Key study

NOAEL (Danio rerio): > 100 mg/l Experimental result, Key study
NOAEL (Daphnia magna): 297 mg/l Experimental result, Key study
EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study
NOAEL (Daphnia magna): 1.75 mg/l Read-across based on grouping of substances (category approach), Weight of Evidence study
NOAEL (Daphnia magna): 25 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
NOAEL (Ceriodaphnia dubia): 1.2 mg/l Experimental result, Key study

EC 50 (Daphnia magna): 297 mg/l Experimental result, Key study
EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study

EC 50 (Daphnia magna): 297 mg/l Experimental result, Key study
EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study

NOAEL (Daphnia magna): 1.75 mg/l Read-across based on grouping of substances (category approach), Weight of Evidence study
NOAEL (Daphnia magna): 25 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
EC 50 (Green algae (Selenastrum capricornutum), 48 h): 706 - 5,918 mg/l Mortality

No data available.
Sprayway®

<table>
<thead>
<tr>
<th>Substance</th>
<th>Description</th>
<th>BOD/COD Ratio</th>
<th>Bioaccumulative potential</th>
<th>Mobility in soil</th>
<th>Other adverse effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>94 % (28 d) Detected in water. Experimental result, Supporting study 95 % Detected in water. Experimental result, Key study</td>
<td>No data available.</td>
<td>No data available.</td>
<td>No data available.</td>
<td>Harmful to aquatic organisms.</td>
</tr>
<tr>
<td><strong>BOD/COD Ratio</strong></td>
<td><strong>Product:</strong></td>
<td><strong>Specified substance(s):</strong></td>
<td><strong>Product:</strong></td>
<td><strong>Known or predicted distribution to environmental compartments</strong></td>
<td><strong>Other adverse effects:</strong></td>
</tr>
<tr>
<td><strong>Bioaccumulative potential</strong></td>
<td><strong>Bioconcentration Factor (BCF)</strong></td>
<td>Alcohols, C9-11, ethoxylated</td>
<td>Pimephales promelas, Bioconcentration Factor (BCF): 237 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Key study</td>
<td>Ethanol, 2-butoxy-</td>
<td>Discharge, treatment, or disposal may be subject to national, state, or local laws.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)</td>
<td>Lepomis macrochirus, Bioconcentration Factor (BCF): 1.8 Aquatic sediment Experimental result, Key study</td>
<td>Alcohols, C9-11, ethoxylated</td>
<td>Contaminated Packaging: No data available.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>Carp (Cyprinus carpio), Bioconcentration Factor (BCF): 50 (Flow through)</td>
<td>Butane</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Partition Coefficient n-octanol / water (log Kow)</strong></td>
<td><strong>Specified substance(s):</strong></td>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Alcohols, C9-11, ethoxylated</td>
<td>Log Kow: 3.3 - 3.73 Yes QSAR, Weight of Evidence study</td>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Mobility in soil:</strong></td>
<td></td>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sodium hydroxide (Na(OH))</td>
<td></td>
</tr>
</tbody>
</table>

**13. Disposal considerations**

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** No data available.
14. Transport information

DOT

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es)
   Class: 2.1
   Label(s): –
Packing Group: II
Marine Pollutant: No
Environmental Hazards: No
Marine Pollutant: No
Special precautions for user: Not regulated.

IMDG

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es)
   Class: 2
   Label(s): –
EmS No.: –
Packing Group: –
Environmental Hazards: No
Marine Pollutant: No
Special precautions for user: Not regulated.

IATA

UN Number: UN 1950
Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es)
   Class: 2.1
   Label(s): –
Packing Group: –
Environmental Hazards: No
Marine Pollutant: No
Special precautions for user: Not regulated.

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>OSHA hazard(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Oxide</td>
<td>Eye irritation</td>
</tr>
<tr>
<td></td>
<td>respiratory tract irritation</td>
</tr>
<tr>
<td></td>
<td>Skin irritation</td>
</tr>
<tr>
<td></td>
<td>Skin sensitization</td>
</tr>
<tr>
<td></td>
<td>Acute toxicity</td>
</tr>
<tr>
<td></td>
<td>Cancer</td>
</tr>
<tr>
<td></td>
<td>Central nervous system</td>
</tr>
<tr>
<td></td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td></td>
<td>Mutagenicity</td>
</tr>
<tr>
<td></td>
<td>Flammability</td>
</tr>
</tbody>
</table>

CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Propane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH4)(OH))</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>1,4-Dioxane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>lbs. 10</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Fire Hazard
- Immediate (Acute) Health Hazards
- Flammable aerosol
- Serious Eye Damage/Eye Irritation

SARA 302 Extremely Hazardous Substance

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Oxide</td>
<td>lbs. 10</td>
<td>lbs. 1000</td>
</tr>
</tbody>
</table>

SARA 304 Emergency Release Notification

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Butane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Propane</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH4)(OH))</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>1,4-Dioxane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>lbs. 10</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Oxide</td>
<td>lbs</td>
</tr>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Alcohols, C9-11,</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>ethoxylated</td>
<td></td>
</tr>
<tr>
<td>Butane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Glycine, N,N’-1,2-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>ethanediylibis[N-</td>
<td></td>
</tr>
<tr>
<td>(carboxymethyl)-, sodium</td>
<td></td>
</tr>
</tbody>
</table>
salt (1:4)
Propane 10000 lbs
Sulfuric acid monododecyl ester sodium salt (1:1)
Sodium hydroxide 10000 lbs
(Na(OH))
Ammonium hydroxide ((NH4)(OH)) 10000 lbs
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-
Acetic acid, phenylmethyl ester 10000 lbs
1,4-Dioxane 10000 lbs

SARA 313 (TRI Reporting)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reporting threshold for other users</th>
<th>Reporting threshold for manufacturing and processing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>N230 lbs</td>
<td>N230 lbs.</td>
</tr>
</tbody>
</table>

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
US State Regulations

**US. California Proposition 65**
This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

- 1,4-Dioxane Carcinogenic. 05 2011
- Ethylene Oxide Female reproductive toxin. 03 2008
- Ethylene Oxide Carcinogenic. 05 2011
- Ethylene Oxide Male reproductive toxin. 08 2009
- Ethylene Oxide Developmental toxin. 08 2009

**US. New Jersey Worker and Community Right-to-Know Act**

**Chemical Identity**
- Ethanol, 2-butoxy-
- Butane

**US. Massachusetts RTK - Substance List**

**Chemical Identity**
- Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**
- Ethanol, 2-butoxy-
- Butane

**US. Rhode Island RTK**
No ingredient regulated by RI Right-to-Know Law present.

International regulations

- **Montreal protocol** Not applicable
- **Stockholm convention** Not applicable
- **Rotterdam convention** Not applicable

SDS_US - RE1000016140
Kyoto protocol
   Not applicable

Inventory Status:
  Australia AICS: On or in compliance with the inventory
  Canada DSL Inventory List: On or in compliance with the inventory
  EINECS, ELINCS or NLP: Not in compliance with the inventory.
  Japan (ENCS) List: Not in compliance with the inventory.
  China Inv. Existing Chemical Substances: Not in compliance with the inventory.
  Korea Existing Chemicals Inv. (KECI): Not in compliance with the inventory.
  Canada NDSL Inventory: Not in compliance with the inventory.
  Philippines PICCS: On or in compliance with the inventory
  US TSCA Inventory: On or in compliance with the inventory
  New Zealand Inventory of Chemicals: On or in compliance with the inventory
  Japan ISHL Listing: Not in compliance with the inventory.
  Japan Pharmacopoeia Listing: Not in compliance with the inventory.
  Mexico INSQ: Not in compliance with the inventory.
  Ontario Inventory: On or in compliance with the inventory
  Taiwan Chemical Substance Inventory: On or in compliance with the inventory

16. Other information, including date of preparation or last revision

Issue Date: 10/04/2019
Revision Information: No data available.
Version #: 1.1
Further Information: No data available.
Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.