SAFETY DATA SHEET

1. Identification

Product identifier: DON-O-MITE FOAMING CLEANER

Other means of identification
  SDS number: RE1000008366

Recommended restrictions
  Product Use: Cleaner
  Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer
  Company Name: EDWARD DON & COMPANY
  Address: PO BOX 5540
  WOODRIDGE, IL 60517
  Telephone: 1-800-777-4366
  Fax:

  Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

  Physical Hazards
    Flammable aerosol Category 1

  Health Hazards
    Serious Eye Damage/Eye Irritation Category 2A

Label Elements

  Hazard Symbol:

  Signal Word: Danger

  Hazard Statement: Extremely flammable aerosol. Causes serious eye irritation.

  Precautionary Statements

  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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

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

3. Composition/information on ingredients

<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>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>1-Hexadecanamine, N,N-dimethyl-, N-oxide</td>
<td>7128-91-8</td>
<td>1 - &lt;3%</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>67-63-0</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>
<tr>
<td>Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides</td>
<td>85409-23-0</td>
<td>0.1 - &lt;0.25%</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. Get medical attention.

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.

**Unsuitable extinguishing media:**
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:**
Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

**Precautions for safe handling:**
Avoid contact with 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>Control Parameters</th>
<th>Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Identity</td>
<td>Type</td>
</tr>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td>REL</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
</tr>
<tr>
<td>Compound</td>
<td>REL</td>
</tr>
<tr>
<td>----------</td>
<td>-----</td>
</tr>
<tr>
<td>Butane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1,000 ppm</td>
</tr>
<tr>
<td></td>
<td>1,800 mg/m3</td>
</tr>
</tbody>
</table>

**Notes:**
- **Propane**
  - REL: 1,000 ppm, 1,800 mg/m3
  - PEL: 1,000 ppm, 1,800 mg/m3
- **2-Propanol**
  - REL: 400 ppm, 980 mg/m3
  - STEL: 400 ppm
  - AN ESL: 200 ppb
  - TWA PEL: 400 ppm, 980 mg/m3
- **Propanol**
  - REL: 400 ppm, 980 mg/m3
  - STEL: 400 ppm
  - AN ESL: 200 ppb
  - TWA PEL: 400 ppm, 980 mg/m3

**Sources:**
- US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
- US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
- US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
- US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
- US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
- US. ACGIH Threshold Limit Values (03 2018)
- US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
- US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
- US. ACGIH Threshold Limit Values (2008)
- US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
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- US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>Ceiling 2 mg/m3</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
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<td>Ceiling 2 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
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<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>Ceiling 2 mg/m3</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td>AN ESL 2 µg/m3</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>ST ESL 20 µg/m3</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></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>2-Propanol (acetone: Sampling time: End of shift at end of work week.)</td>
<td>40 mg/l (Urine)</td>
<td>ACGIH BEL (03 2013)</td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls**

No data available.

**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 safety glasses with side shields (or goggles).

**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:** Avoid contact with 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:** 3,792.1165 - 5,171.068 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)**

<table>
<thead>
<tr>
<th>Route</th>
<th>Product</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Product</td>
<td>ATEmix: 27,338.16 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>Product</td>
<td>ATEmix: 13,752.58 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Product</td>
<td>ATEmix: 412.37 mg/l</td>
</tr>
</tbody>
</table>

**Repeated dose toxicity**

**Specified substance(s):**

- **Ethanol, 2-butoxy-**
  - NOAEL (Rabbit(Female, Male), Dermal, 90 d): > 150 mg/kg Dermal
  - NOAEL (Rat(Female), Oral, 90 d): < 82 mg/kg Oral
  - NOAEL (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation

- **Butane**
  - NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation
  - LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

- **Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)**
  - NOAEL (Rat(Female, Male), Oral, 103 Weeks): >= 500 mg/kg Oral
  - LOAEL (Rat(Male), Inhalation, 1 - 5 d): 30 mg/m3 Inhalation

- **2-Propanol**
  - NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m) Inhalation

- **Propane**
  - NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation
  - LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

- **Sulfuric acid monododecyl ester sodium salt (1:1)**
  - NOAEL (Rat(Female, Male), Oral, 13 Weeks): 482 mg/kg Oral

**Skin Corrosion/Irritation**

**Specified substance(s):**

- **Ethanol, 2-butoxy-**
  - in vivo (Rabbit): Irritating

- **Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)**
  - in vivo (Rabbit): Not irritant

- **2-Propanol**
  - in vivo (Rabbit): Not Classified
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
- 2-Propanol Rabbit, 1 d: 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- Skin sensitization:; in vivo (Guinea pig): Non sensitising
- Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4) Skin sensitization:; in vivo (Guinea pig): Non sensitising
- 2-Propanol Skin sensitization:; in vivo (Guinea pig): Non sensitising
- Sulfuric acid monododecyl ester Skin sensitization:; in vivo (Guinea pig): Non sensitising sodium salt (1:1)

**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.
### Ecotoxicity:

#### Acute hazards to the aquatic environment:

<table>
<thead>
<tr>
<th>Product</th>
<th>Specified substance(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>No data available.</td>
</tr>
<tr>
<td></td>
<td><strong>Ethanol, 2-butoxy-</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Butane</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Lepomis macrochirus, 96 h): 121 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td>NOAEL (Lepomis macrochirus, 96 h): 88 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>2-Propanol</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Pimephales promelas, 96 h): 9,640 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Propane</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Sulfuric acid monododecyl ester sodium salt (1:1)</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Pimephales promelas, 96 h): 29 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Sodium hydroxide (Na(OH))</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 125 mg/l Mortality</td>
</tr>
<tr>
<td></td>
<td>LC 50 (Gambusia affinis, 96 h): &lt; 180 mg/l Experimental result, Supporting study</td>
</tr>
<tr>
<td></td>
<td><strong>Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl chlorides</strong></td>
</tr>
<tr>
<td></td>
<td>EC 50 (96 h): &lt; 10 mg/l</td>
</tr>
</tbody>
</table>

### Aquatic Invertebrates:

<table>
<thead>
<tr>
<th>Product</th>
<th>Specified substance(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No data available.</td>
</tr>
<tr>
<td></td>
<td><strong>Ethanol, 2-butoxy-</strong></td>
</tr>
<tr>
<td></td>
<td>EC 50 (Daphnia magna, 48 h): 1,550 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Butane</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)</strong></td>
</tr>
<tr>
<td></td>
<td>EC 50 (Daphnia magna, 24 h): 610 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>2-Propanol</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Daphnia magna, 24 h): &gt; 10,000 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td></td>
<td><strong>Sulfuric acid monododecyl ester sodium salt (1:1)</strong></td>
</tr>
<tr>
<td></td>
<td>LC 50 (Daphnia magna, 48 h): 1.8 mg/l Experimental result, Not specified</td>
</tr>
<tr>
<td></td>
<td><strong>Sodium hydroxide (Na(OH))</strong></td>
</tr>
<tr>
<td></td>
<td>EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 34.59 - 47.13 mg/l Intoxication</td>
</tr>
<tr>
<td></td>
<td><strong>Quaternary ammonium compounds, C12-14-</strong></td>
</tr>
<tr>
<td></td>
<td>EC 50 : 0.015 mg/l</td>
</tr>
</tbody>
</table>
alkyl[(ethylphenyl)methyl] dimethyl, chlorides

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

- Ethanol, 2-butoxy-
  - NOAEL (Danio rerio): > 100 mg/l Experimental result, Key study

- Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
  - NOAEL (Danio rerio): >= 25.7 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

- Sulfuric acid monododecyl ester sodium salt (1:1)
  - NOAEL (Pimephales promelas): > 1.357 mg/l Experimental result, Key study

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

- Ethanol, 2-butoxy-
  - EC 50 (Daphnia magna): 297 mg/l Experimental result, Key study
  - EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study

- Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
  - NOAEL (Daphnia magna): 25 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

- Sulfuric acid monododecyl ester sodium salt (1:1)
  - NOAEL (Ceriodaphnia dubia): 1.2 mg/l Experimental result, Key study

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s):**

- Sulfuric acid monododecyl ester sodium salt (1:1)
  - EC 50 (Green algae (Selenastrum capricornutum), 48 h): 706 - 5,918 mg/l Mortality

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s):**

- Ethanol, 2-butoxy-
  - 90.4 % Detected in water. Experimental result, Key study

- Butane
  - 100 % (385.5 h) Detected in water. Experimental result, Key study
  - 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

- Glycine, N,N'-1,2 ethanediylbis [N-(carboxymethyl)]-, sodium salt (1:4)
  - 90 - 100 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
2-Propanol 53 % (5 d) Detected in water. Experimental result, Key study
Propane 100 % (385.5 h) Detected in water. Experimental result, Key study
50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
Sulfuric acid monododecyl ester sodium salt (1:1) 94 % (28 d) Detected in water. Experimental result, Supporting study
95 % Detected in water. Experimental result, Key study

**BOD/COD Ratio**
**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**
**Product:** No data available.

**Specified substance(s):**
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)
Lepomis macrochirus, Bioconcentration Factor (BCF): 1.8 Aquatic sediment Experimental result, Key study
Sulfuric acid monododecyl ester sodium salt (1:1)
Carp (Cyprinus carpio), Bioconcentration Factor (BCF): 50 (Flow through)

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** No data available.

**Mobility in soil:**
No data available.

**Known or predicted distribution to environmental compartments**
Ethanol, 2-butoxy- No data available.
Butane No data available.
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)
1-Hexadecanamine, N,N-dimethyl-, N-oxide No data available.
2-Propanol No data available.
Propane No data available.
Sulfuric acid monododecyl ester sodium salt (1:1) No data available.
Sodium hydroxide (Na(OH)) No data available.
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides No data available.

**Other adverse effects:**
No data available.

### 13. Disposal considerations

**Disposal instructions:** Wash before disposal. Dispose to controlled facilities.
**Contaminated Packaging:** No data available.

### 14. Transport information

**DOT**

<table>
<thead>
<tr>
<th>UN Number:</th>
<th>UN Proper Shipping Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 1950</td>
<td>Aerosols, flammable</td>
</tr>
</tbody>
</table>

SDS_US - RE1000008366
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)
None present or none present in regulated quantities.

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>2-Propanol</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>
</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>Hydrogen peroxide (H2O2)</td>
<td>lbs. 1000</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>2-Propanol</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>Hydrogen peroxide (H2O2)</td>
<td></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>Hydrogen peroxide (H2O2)</td>
<td>lbs</td>
</tr>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Butane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>1-Hexadecanamine, N,N-dimethyl-, N-oxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Propane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH4)(OH))</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

### 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>
<tr>
<td>2-Propanol</td>
<td>lbs</td>
<td>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**

No ingredient requiring a warning under CA Prop 65.

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
</tr>
<tr>
<td>Butane</td>
</tr>
<tr>
<td>2-Propanol</td>
</tr>
</tbody>
</table>

**US. Massachusetts RTK - Substance List**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)</td>
</tr>
<tr>
<td>Hydrogen peroxide (H2O2)</td>
</tr>
</tbody>
</table>

**US. Pennsylvania RTK - Hazardous Substances**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
</tr>
<tr>
<td>Butane</td>
</tr>
<tr>
<td>2-Propanol</td>
</tr>
</tbody>
</table>
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

Kyoto protocol
Not applicable

Inventory Status:
Australia AICS: Not in compliance with the inventory.
Canada DSL Inventory List: Not 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: Not in compliance with the inventory.
US TSCA Inventory: Not in compliance with the inventory.
New Zealand Inventory of Chemicals: Not 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: Not in compliance with the inventory.
Taiwan Chemical Substance Inventory: Not in compliance with the inventory.

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

Issue Date: 08/08/2019
Revision Information: No data available.
Version #: 1.0

Further Information: FIFRA: 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 pesticide label also includes other important information, including directions for use.

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.