SAFETY DATA SHEET

1. Identification

Product identifier: CLAIRE GERMICIDAL CLEANER LT

Other means of identification
SDS number: RE1000008356

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

Manufacturer/Importer/Distributor Information

Manufacturer
Company Name: CLAIRE MANUFACTURING COMPANY
Address: 1000 Integram Dr
Pacific, MO 63069
Telephone: 1-630-543-7600
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
SDS_US - RE1000008356 Distributor - Interstate Products Inc. Phone#: (800) 474-7294
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-ethanediylibis[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>
<tr>
<td>Ammonium hydroxide ((NH4)(OH))</td>
<td>1336-21-6</td>
<td>0 - &lt;0.1%</td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>140-11-4</td>
<td>0 - &lt;0.1%</td>
</tr>
<tr>
<td>Hydrogen peroxide (H2O2)</td>
<td>7722-84-1</td>
<td>0 - &lt;0.1%</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylthyl)-4-methyl-</td>
<td>128-37-0</td>
<td>0 - &lt;0.1%</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. 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

Control Parameters

Occupational Exposure Limits

<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></td>
<td>TWA PEL</td>
<td>20 ppm 97 mg/m3</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>25 ppm 120 mg/m3</td>
<td>US. Tennessee, OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td>AN ESL</td>
<td></td>
<td>760 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>AN ESL</td>
<td></td>
<td>3,700 µg/m3</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>ST ESL</td>
<td></td>
<td>2,900 µg/m3</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>ST ESL</td>
<td></td>
<td>600 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</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>TWA</td>
<td>800 ppm 1,900 mg/m3</td>
<td>US. Tennessee, OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1,000 ppm</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></td>
<td>AN ESL</td>
<td>3,000 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td></td>
<td>AN ESL</td>
<td>7,100 µg/m3</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>Substance</td>
<td>REL/STEL/TWA</td>
<td>Concentration</td>
<td>Source</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------</td>
<td>---------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>TWA PEL</td>
<td>800 ppm</td>
<td>1,900 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155, Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td>ST ESL</td>
<td>66,000 µg/m³</td>
<td>28,000 ppb</td>
<td>US. Texas, Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>2-Propanol REL</td>
<td>400 ppm</td>
<td>980 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td>2-Propanol STEL</td>
<td>400 ppm</td>
<td>980 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>2-Propanol TWA</td>
<td>400 ppm</td>
<td>980 mg/m³</td>
<td>US. OSHA Table Z-T-A (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>AN ESL</td>
<td>200 ppb</td>
<td>4,920 µg/m³</td>
<td>US. Texas, Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>AN ESL</td>
<td>492 µg/m³</td>
<td>4,920 µg/m³</td>
<td>US. Texas, Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>Propane REL</td>
<td>1,000 ppm</td>
<td>1,800 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td>Propane PEL</td>
<td>1,000 ppm</td>
<td>1,800 mg/m³</td>
<td>US. OSHA Table Z-T-A (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH)) Ceiling</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH)) - Particulate. AN ESL</td>
<td>2 µg/m³</td>
<td>2 µg/m³</td>
<td>US. Texas, Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>Substance/Commodity</td>
<td>ST ESL/STEL/PEL</td>
<td>TWA/REL/STEL</td>
<td>Concentration/Unit</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------------</td>
<td>--------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH₄)(OH))</td>
<td>20 µg/m³</td>
<td>STEL 35 ppm</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>TWA</td>
<td>25 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>27 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
<td></td>
</tr>
<tr>
<td>REL</td>
<td>18 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
<td></td>
</tr>
<tr>
<td>PEL</td>
<td>35 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>27 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>35 ppm</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>27 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
<td></td>
</tr>
<tr>
<td>AN ESL</td>
<td>92 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>ST ESL</td>
<td>180 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>10 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>61 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>100 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>AN ESL</td>
<td>10 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>ST ESL</td>
<td>610 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>AN ESL</td>
<td>61 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>Hydrogen peroxide (H₂O₂)</td>
<td>1 ppm</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>1 ppm</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>1.4 mg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>AN ESL</td>
<td>1 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>Hydrogen peroxide (H₂O₂) - as H₂O₂</td>
<td>1 ppm</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
<td></td>
</tr>
<tr>
<td>TWA PEL</td>
<td>1.4 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
<td></td>
</tr>
<tr>
<td>Hydrogen peroxide (H₂O₂)</td>
<td>1 ppm</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
<td></td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis- - Vapor.</td>
<td>2 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
<td></td>
</tr>
</tbody>
</table>

---

**Ohio Division of Health:**

- **Acetic acid, phenylmethyl ester:**
  - STEL: 92 µg/m³
  - US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)

**Texas Commission on Environmental Quality:**

- **Ammonium hydroxide ((NH₄)(OH)):**
  - STEL: 35 ppm
  - US. ACGIH Threshold Limit Values (2008)
  - TWA: 25 ppm
  - US. ACGIH Threshold Limit Values (2008)
  - STEL: 27 mg/m³
  - REL: 18 mg/m³

- **Benzene, 1,1'-oxybis- Vapor:**
  - STEL: 2 ppm
  - US. ACGIH Threshold Limit Values (03 2018)

**Tennessee OELs:**

- **Hydrogen peroxide:**
  - TWA: 1 ppm
  - US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)

**OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):**

- **Hydrogen peroxide:**
  - TWA PEL: 1 ppm
  - 61 mg/m³
  - US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

**NIOSH: Pocket Guide to Chemical Hazards (2005):**

- **Hydrogen peroxide:**
  - REL: 1 ppm
  - 1.4 mg/m³

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**Other Notes:**

- The information provided is a partial summary of the data contained in the SDS document.
- For comprehensive information, please refer to the full SDS document.
<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>

### Biological Limit Values

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>TWA 1 ppm 7 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>PEL 1 ppm 7 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>TWA PEL 1 ppm 7 mg/m3</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>REL 1 ppm 7 mg/m3</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>TWA 1 ppm 7 mg/m3</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>TWA 10 mg/m3</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>TWA 10 mg/m3</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>TWA 2 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>REL 10 mg/m3</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>TWA PEL 10 mg/m3</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)</td>
</tr>
</tbody>
</table>

### 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)

Oral Product: ATEmix: 27,338.16 mg/kg

Dermal Product: ATEmix: 13,752.58 mg/kg

Inhalation Product: ATEmix: 412.37 mg/l

ATEmix : 103.09 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
study
NOAEL (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation
Experimental result, Key study

Butane
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

Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
NOAEL (Rat(Female, Male), Oral, 103 Weeks): >= 500 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Key study
LOAEL (Rat(Male), Inhalation, 1 - 5 d): 30 mg/m3 Inhalation Read-across from supporting substance (structural analogue or surrogate), Key study

2-Propanol
NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m) Inhalation
Experimental result, 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
NOAEL (Rat(Female, Male), Oral, 2 yr): 0.15 % (m) Oral Experimental result, Supporting study

Acetic acid, phenylmethyl ester
NOAEL (Rat(Male), Oral, 13 Weeks): 900 mg/kg Oral Experimental result, Supporting study
NOAEL (Rat(Female), Oral, 13 Weeks): 480 mg/kg Oral Experimental result, Supporting study

Hydrogen peroxide (H2O2)
LOAEL (Rat(Male), Other route of exposure (excluding dermal, oral and inhalation), 12 Weeks): 56.2 mg/kg Other route of exposure (excluding dermal, oral and inhalation) Not specified, Supporting study
LOAEL (Rat, Inhalation, 6 Weeks): 67 ppm(m) Inhalation Not specified, Supporting study
LOAEL (Rat(Female, Male), Other route of exposure (excluding dermal, oral and inhalation), 6 Months): 0.005 mg/kg Other route of exposure (excluding dermal, oral and inhalation) Not specified, Supporting study
LOAEL (Rat(Female, Male), Inhalation): 14.6 mg/m3 Inhalation Experimental result, Key study
LOAEL (Mouse(Male), Oral, 40 d): 0.5 % (m) Oral Not specified, Supporting study

Benzene, 1,1’-oxybis-
NOAEL (Rat(Female, Male), Dermal, 13 Weeks): 100 mg/kg Dermal
Experimental result, Key study
NOAEL (Rat(Male), Oral, 13 Weeks): 301 mg/kg Oral Experimental result, Key study

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
NOAEL (Rat(Male), Oral, 1.25 - 22.75 Months): 25 mg/kg Oral Experimental result, Key study

Skin Corrosion/Irritation Product:
No data available.

Specified substance(s):
<table>
<thead>
<tr>
<th>Substance</th>
<th>Test Species</th>
<th>Test Duration</th>
<th>Result</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>Rabbit</td>
<td>24 - 72 hrs</td>
<td>Irritating</td>
<td></td>
</tr>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-sodium salt (1:4)</td>
<td>Rabbit</td>
<td>24 - 72 hrs</td>
<td>Not irritant</td>
<td></td>
</tr>
<tr>
<td>2-Propanol</td>
<td>Rabbit</td>
<td>1 d</td>
<td>Irritating</td>
<td></td>
</tr>
<tr>
<td>Sulfuric acid monododecyl ester sodium salt (1:1)</td>
<td>Rabbit</td>
<td>24 - 72 hrs</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>Rabbit</td>
<td>2 d</td>
<td>Not irritant</td>
<td></td>
</tr>
<tr>
<td>Hydrogen peroxide (H2O2)</td>
<td>Rabbit</td>
<td>2 d</td>
<td>Category 2</td>
<td></td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>Rabbit</td>
<td>24 - 72 hrs</td>
<td>Not irritant</td>
<td></td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>Rabbit</td>
<td>24 - 72 hrs</td>
<td>Not irritant</td>
<td></td>
</tr>
</tbody>
</table>

**Serious Eye Damage/Eye Irritation**

- **Product:**
  - **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

**SDS US - RE1000008356**
Hydrogen peroxide (H2O2)
- Rabbit, 24 hrs: Category 2A
- Rabbit, 24 hrs: Category 2A
- Rabbit, 24 hrs: Category 2A
- Rabbit: Category 2A
- Rabbit, 72 hrs: Category 2A
- Rabbit, 24 hrs: Category 2A
- Rabbit, 24 - 72 hrs: Category 2A
- Rabbit: Category 2A

Benzene, 1,1'-oxybis-
- Rabbit, 48 - 72 hrs: Irritating.

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
- Rabbit, 24 - 72 hrs: Not irritating

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)
- 2-Propanol
- Sulfuric acid monododecyl ester sodium salt (1:1)
- Acetic acid, phenylmethyl ester
- Hydrogen peroxide (H2O2)
- Benzene, 1,1'-oxybis-
- Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-

Skin sensitization:; in vivo (Guinea pig): Non sensitising
Skin sensitization:; in vivo (Guinea pig): Non sensitising
Skin sensitization:; in vivo (Guinea pig): Non sensitising
Skin sensitization:; in vivo (Guinea pig): Non sensitising
Skin sensitization:; in vivo (Guinea pig): Sensitising
Skin sensitization:; in vivo (Human): Non sensitising
Skin sensitization:; in vivo (Human): Non sensitising
Skin sensitization:; in vivo (Human): Non sensitising
Skin sensitization:; in vivo (Guinea pig): Non sensitising
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:

Fish
Product: No data available.

Specified substance(s):
Ethanol, 2-butoxy- LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key study
Butane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Glycine, N,N'-1,2- NOAEL (Lepomis macrochirus, 96 h): 88 mg/l Experimental result, Key study
<table>
<thead>
<tr>
<th>Substance</th>
<th>Study Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethane diyl bis[N-(carboxymethyl)]-, sodium salt (1:4)</td>
<td>LC 50 (Lepomis macrochirus, 96 h): 121 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>LC 50 (Pimephales promelas, 96 h): 9,640 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>Propane</td>
<td>LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study</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>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</td>
<td>LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 125 mg/l Mortality</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl] dimethylchlories</td>
<td>EC 50 (96 h): &lt; 10 mg/l</td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH4)(OH))</td>
<td>LC 50 (Fathead minnow (Pimephales promelas), 24 h): 17 mg/l Mortality</td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>LC 50 (Oryzias latipes, 96 h): 4 mg/l Other, Key study</td>
</tr>
<tr>
<td>Hydrogen peroxide (H2O2)</td>
<td>LC 50 (Oncorhynchus tshawytscha, 1 h): 250 mg/l Not specified, Supporting study</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-</td>
<td>LC 50 (Oncorhynchus mykiss, 96 h): 4.2 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>LC 50 (Pimephales promelas, 96 h): 0.363 mg/l</td>
</tr>
</tbody>
</table>

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

- Ethanol, 2-butoxy-
  - EC 50 (Daphnia magna, 48 h): 1,550 mg/l Experimental result, Key study
- Butane
  - LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
- Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)
  - EC 50 (Daphnia magna, 24 h): 610 mg/l Experimental result, Key study
2-Propanol  | LC 50 (Daphnia magna, 24 h): > 10,000 mg/l Experimental result, Key study
Sulfuric acid monododecyl ester sodium salt (1:1)  | LC 50 (Daphnia magna, 48 h): 1.8 mg/l Experimental result, Not specified
Sodium hydroxide (Na(OH))  | EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 34.59 - 47.13 mg/l Intoxication
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl] dimethyl, chlorides  | EC 50 : 0.015 mg/l
Ammonium hydroxide ((NH4)(OH))  | LC 50 (Water flea (Daphnia magna), 25 h): 60 mg/l Mortality
LC 50 (Water flea (Daphnia magna), 50 h): 32 mg/l Mortality
LC 50 (Water flea (Daphnia magna), 100 h): 20 mg/l Mortality
LC 50 (Water flea (Ceriodaphnia dubia), 48 h): > 0 - 10 mg/l Mortality
Acetic acid, phenylmethyl ester  | EC 50 (Daphnia magna, 24 h): 25 mg/l Experimental result, Key study
EC 50 (Daphnia magna, 48 h): 17 mg/l Experimental result, Key study
NOAEL (Daphnia magna, 48 h): 10 mg/l Experimental result, Key study
Hydrogen peroxide (H2O2)  | EC 50 (Dreissena polymorpha, 480 h): 6 mg/l Not specified, Supporting study
EC 50 (Gammarus sp., 96 h): 4.42 mg/l Not specified, Supporting study
LC 50 (Daphnia pulex, 48 h): 2.4 mg/l Experimental result, Key study
EC 50 (Physa sp., 96 h): 17.7 mg/l Not specified, Supporting study
NOAEL (Lepeophtheirus salmonis, 20 min): < 500 mg/l Not specified, Supporting study
Benzene, 1,1'-oxybis-  | LC 50 (Daphnia magna, 48 h): 1.7 mg/l Experimental result, Key study
NOAEL (Daphnia magna, 48 h): 1 mg/l Experimental result, Key study
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-  | EC 50 (Daphnia magna, 48 h): 0.61 mg/l Experimental result, Key study
NOAEL (Daphnia magna, 48 h): 0.15 mg/l Experimental result, Key study

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
- Quaternary ammonium compounds, C12-14- NOEC (28 d): 0.032 mg/l
alkyl[(ethylphenyl)methyl] dimethyl, chlorides

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

Hydrogen peroxide (H2O2)
NOAEL (Daphnia magna): 0.63 mg/l Experimental result, Key study
LOAEL (Daphnia magna): 1.25 mg/l Experimental result, Key study
NOAEL (Aquatic arthropod): 1.62 mg/l Experimental result, Supporting study

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
NOAEL (Daphnia magna): 0.316 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
Acetic acid, phenylmethyl ester | 100 % (28 d) Detected in water. Experimental result, Key study
Hydrogen peroxide (H2O2) | 60 % Detected in water. Experimental result, Supporting study
Benzene, 1,1'-oxybis- | 76 % Detected in water. Experimental result, Key study
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- | 4.5 % (28 d) 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)
- Acetic acid, phenylmethyl ester
  - Bioconcentration Factor (BCF): 8 Aquatic sediment Estimated by calculation, Key study
- Benzene, 1,1'-oxybis-
  - Oncorhynchus mykiss, Bioconcentration Factor (BCF): 200 Aquatic sediment
  - Experimental result, Key study
- Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
  - Cyprinus carpio, Bioconcentration Factor (BCF): 330 - 1,800 Aquatic sediment
  - Experimental result, Key study

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

**Specified substance(s):**
- Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
  - Log Kow: 5.11 - 5.2 No Experimental result, Weight of Evidence study

**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- No data available.
ethanediylbis[N- (carboxymethyl)-, sodium salt (1:4)
1-Hexadecanamine, N,N- No data available.
dimethyl-, N-oxide
2-Propanol No data available.
Propane No data available.
Sulfuric acid monododecyl ester sodium salt (1:1)
Sodium hydroxide (Na(OH)) No data available.
Quaternary ammonium compounds, C12-14-alkyl[(ethyl/phenyl)methyl]dimethyl, chlorides
Ammonium hydroxide ((NH4)(OH)) No data available.
Acetic acid, phenylmethyl ester No data available.
Hydrogen peroxide (H2O2) No data available.
Benzene, 1,1'-oxybis- No data available.
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-

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

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es) 2.1
Class:
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**
- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

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>lbs. 1000</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</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

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

US. Massachusetts RTK - Substance List

**Chemical Identity**
- Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)
- Hydrogen peroxide (H2O2)

US. Pennsylvania RTK - Hazardous Substances

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

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: 04/24/2019

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.