SAFETY DATA SHEET

1. Identification

Product identifier: Claire Disinfectant Bathroom Cleaner - CL866 - EPA# 706-65

Other means of identification
SDS number: RE1000008403

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

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: CLAIRE MANUFACTURING COMPANY
Address: 1000 Integrang 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
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>Sodium hydroxide (Na(OH))</td>
<td>1310-73-2</td>
<td>0.1 - 1%</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>0.1 - 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
## 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>Butane</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</td>
<td>25 ppm 120 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Butane</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>2-Propanol</td>
<td>STEL</td>
<td>500 ppm 1,225 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Propane</td>
<td>REL</td>
<td>1,000 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Sodium hydroxide (Na(OH))</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>Ammonium hydroxide ((NH₄)(OH))</td>
<td>STEL</td>
<td>35 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Hydrogen peroxide (H₂O₂)</td>
<td>REL</td>
<td>1 ppm 1.4 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Phenol, 1,1'-oxybis- - Vapor</td>
<td>STEL</td>
<td>2 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl-</td>
<td>TWA</td>
<td>2 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl-</td>
<td>REL</td>
<td>10 ppm</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</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.

- **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:** Estimated -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:
- Estimated 3,792 - 5,171 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 (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation Experimental result, Key study
  - NOAEL (Rat(Female), Oral, 90 d): < 82 mg/kg Oral Experimental result, Key study
  - NOAEL (Rabbit(Female, Male), Dermal, 90 d): > 150 mg/kg Dermal Experimental result, 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)**
  - 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

**Skin Corrosion/Irritation**

**Product:** No data available.

**Specified substance(s):**
- **Ethanol, 2-butoxy-**
  - in vivo (Rabbit): Irritating Experimental result, Key study

- **Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)**
  - in vivo (Rabbit): Not irritant Experimental result, Key study

- **2-Propanol**
  - in vivo (Rabbit): Not Classified 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: Category 2: Causes serious eye irritation Irritating.

- **Sodium hydroxide (Na(OH))**
  - 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):**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Skin sensitization:</th>
<th>Guinea pig</th>
<th>Non sensitising</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycine, N,N'-1,2-ethanediyl</td>
<td>bis[N- (carboxymethyl)-, sodium salt (1:4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanol</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Carcinogenicity**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available.</th>
</tr>
</thead>
</table>

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

<table>
<thead>
<tr>
<th>Product</th>
<th>No carcinogenic components identified</th>
</tr>
</thead>
</table>

**US. National Toxicology Program (NTP) Report on Carcinogens:**

<table>
<thead>
<tr>
<th>Product</th>
<th>No carcinogenic components identified</th>
</tr>
</thead>
</table>

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

<table>
<thead>
<tr>
<th>Product</th>
<th>No carcinogenic components identified</th>
</tr>
</thead>
</table>

**Germ Cell Mutagenicity**

<table>
<thead>
<tr>
<th>In vitro</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>In vivo</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Reproductive toxicity**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available.</th>
</tr>
</thead>
</table>

**Specific Target Organ Toxicity - Single Exposure**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified substance(s):</td>
<td>Narcotic effect. - Category 3 with narcotic effects.</td>
</tr>
<tr>
<td>2-Propanol</td>
<td></td>
</tr>
</tbody>
</table>

**Specific Target Organ Toxicity - Repeated Exposure**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available.</th>
</tr>
</thead>
</table>

**Aspiration Hazard**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available.</th>
</tr>
</thead>
</table>

**Other effects**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available.</th>
</tr>
</thead>
</table>

**Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

<table>
<thead>
<tr>
<th>Fish</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified substance(s):</td>
<td></td>
</tr>
<tr>
<td>Ethanol, 2-butoxy-</td>
<td>LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key study</td>
</tr>
<tr>
<td>Butane</td>
<td>LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study</td>
</tr>
</tbody>
</table>
Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)]-, sodium salt (1:4)  
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

2-Propanol  
LC 50 (Pimephales promelas, 96 h): 9,640 mg/l Experimental result, Key study

Sodium hydroxide (Na(OH))  
LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 125 mg/l Mortality  
LC 50 (Gambusia affinis, 96 h): < 180 mg/l Experimental result, Supporting study

Propane  
LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

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

Sodium hydroxide (Na(OH))  
EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 34.59 - 47.13 mg/l Intoxication

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

Aquatic Invertebrates  
Product: No data available.

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

Toxicity to Aquatic Plants  
Product: No data available.
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
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

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

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil:

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) No data available.
1-Hexadecanamine, N,N-dimethyl-, N-oxide No data available.
2-Propanol No data available.
Sodium hydroxide (Na(OH)) No data available.
Propane 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

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)
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>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide (H2O2)</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 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**

**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.
- **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.
- **US TSCA Inventory:** On or in compliance with the inventory.

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

<table>
<thead>
<tr>
<th>Issue Date</th>
<th>04/07/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Information</td>
<td>No data available.</td>
</tr>
<tr>
<td>Version #</td>
<td>1.1</td>
</tr>
<tr>
<td>Further Information</td>
<td>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.</td>
</tr>
<tr>
<td>Disclaimer</td>
<td>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.</td>
</tr>
</tbody>
</table>