SAFETY DATA SHEET

1. Identification

Product identifier: BRIGHT CITRUS AIR FRESHENER & DEODORIZER

Other means of identification
SDS number: RE1000000020

Recommended restrictions
Product use: Air Freshener
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer
Company Name: CLAIRE MANUFACTURING COMPANY
Address: 1000 Integrum 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
Skin sensitizer Category 1

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement: Extremely flammable aerosol. May cause an allergic skin reaction.

Precautionary Statements

SDS_US - RE1000000020
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. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of water/# If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse.

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

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

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

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>5 - &lt;10%</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>5 - &lt;10%</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Cyclohexene, 1-methyl-4-(1-methylethynyl)- (4R)-</td>
<td>5989-27-5</td>
<td>0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

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

4. First-aid measures

Ingestion: Rinse mouth thoroughly.

Inhalation: Move to fresh air.

Skin Contact: Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact: Rinse immediately with plenty of water.

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. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:** Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

**Notification Procedures:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

**Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and storage

**Precautions for safe 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. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

**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>Propane</td>
<td>REL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA PEL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>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>
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<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>
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<tr>
<td></td>
<td>TWA PEL</td>
<td>800 ppm 1,900 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td></td>
<td>ST ESL</td>
<td>66,000 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td></td>
<td>ST ESL</td>
<td>28,000 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
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<tr>
<td>Ethanol</td>
<td>TWA PEL</td>
<td>1,000 ppm 1,900 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>1,000 ppm 1,900 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
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</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>AN ESL</td>
<td>1,880 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
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<tr>
<td></td>
<td>ST ESL</td>
<td>10,000 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
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<tr>
<td></td>
<td>AN ESL</td>
<td>1,000 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td></td>
<td>ST ESL</td>
<td>18,800 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>TWA</td>
<td>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</td>
<td>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- - Inhalable fraction and vapor.</td>
<td>TWA</td>
<td>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</td>
<td>10 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td>2-Propanol, 2-methyl-</td>
<td>TWA PEL</td>
<td>10 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)</td>
</tr>
<tr>
<td>2-Propanol, 2-methyl-</td>
<td>TWA</td>
<td>100 ppm 300 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
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<tr>
<td></td>
<td>STEL</td>
<td>150 ppm 450 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
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<tr>
<td></td>
<td>ST ESL</td>
<td>200 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
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<tr>
<td></td>
<td>AN ESL</td>
<td>20 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>62 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>Compound</td>
<td>AN ESL</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11/2016)</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Ammonium hydroxide ((NH₄)OH)</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>Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-</td>
<td>63 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11/2016)</td>
<td></td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls**

No data available.

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

- **General information:** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
- **Eye/face protection:** Wear goggles/face shield.
- **Skin Protection**
  - **Hand Protection:** No data available.
- **Other:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.
- **Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures: When using do not smoke. Observe good industrial hygiene practices. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

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: 4,481.5922 - 5,171.0679 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: Not classified for acute toxicity based on available data.

Specified substance(s):

Ethanol LD 50 (Rat): 10,470 mg/kg

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- LD 50 (Rat): > 2,000 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Ethanol LD 50 (Rabbit): 17,100 mg/kg

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- LD 50 (Rabbit): > 5,000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Propane LC 50 (Mouse): 1,237 mg/l

Butane LC 50 (Mouse): 1,237 mg/l

Ethanol LC 50 (Rat): 124.7 mg/l

LC 50: > 5 mg/l

Cyclohexene, 1-methyl-4- LC 50: > 20 mg/l
Repeated dose toxicity
Product: No data available.

Specified substance(s):
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

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

Ethanol
NOAEL (Rat(Male), Oral, 7 - 14 Weeks): 10 % (m) Oral Experimental result, Key study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
NOAEL (Rat(Male), Oral, 13 Weeks): 600 mg/kg Oral Experimental result, Key study

Skin Corrosion/Irritation
Product: No data available.

Specified substance(s):
Ethanol
in vivo (Rabbit): Not irritant Experimental result, Key study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
in vivo (Rabbit): Not irritant Experimental result, Key study

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

Specified substance(s):
Ethanol
Rabbit, 1 - 24 hrs: Not irritating

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization
Product: No data available.

Specified substance(s):
Ethanol
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):
Propane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Butane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Ethanol LC 50 (Pimephales promelas, 96 h): 15.3 g/l Experimental result, Key study
Cyclohexene, 1-methyl-4-(1-methylethenyl) -, (4R)- EC 50 (Pimephales promelas, 96 h): 688 µg/l Experimental result, Key study

Aquatic Invertebrates
Product: No data available.

Specified substance(s):
Butane LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
Ethanol LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l Experimental result, Key study
Cyclohexene, 1-methyl-4-(1-methylethenyl) -, (4R)- NOAEL (Daphnia magna, 48 h): 0.074 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish
Product: No data available.
**Specified substance(s):**
Ethanol

**Aquatic Invertebrates**
**Product:** No data available.

**Specified substance(s):**
Ethanol
LC 50 (Daphnia magna): 454 mg/l Experimental result, Key study
NOAEL (Daphnia magna): 9.6 mg/l Experimental result, Key study

Cyclohexene, 1-methyl-4-(1-methyleneyl)-, (4R)-
NOAEL (Freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex): 0.115 mg/l QSAR QSAR, Weight of Evidence study

**Toxicity to Aquatic Plants**
**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**
**Product:** No data available.

**Specified substance(s):**
Propane
100 % (385.5 h) Detected in water. Experimental result, Key study
50 % (3.19 d) Detected in water. QSAR, Weight of Evidence 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

Ethanol
95 % Detected in water. Experimental result, Key study

Cyclohexene, 1-methyl-4-(1-methyleneyl)-, (4R)-
80 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Key study

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

**Bioaccumulative potential**

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

**Specified substance(s):**
Ethanol
Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study

Cyclohexene, 1-methyl-4-(1-methyleneyl)-, (4R)-
Bioconcentration Factor (BCF): 864.8 Aquatic sediment QSAR, Key study

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

**Specified substance(s):**
Cyclohexene, 1-methyl-4-(1-methyleneyl)-, (4R)-
Log Kow: 4.34 - 4.46 25 °C No Experimental result, Supporting study
Mobility in soil:  
No data available.

**Known or predicted distribution to environmental compartments**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Mobility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>No data available.</td>
</tr>
<tr>
<td>Butane</td>
<td>No data available.</td>
</tr>
<tr>
<td>Ethanol</td>
<td>No data available.</td>
</tr>
<tr>
<td>Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**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>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number:</td>
<td>UN 1950</td>
</tr>
<tr>
<td>UN Proper Shipping Name:</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport Hazard Class(es)</td>
<td></td>
</tr>
<tr>
<td>Class:</td>
<td>2.1</td>
</tr>
<tr>
<td>Label(s):</td>
<td>–</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>II</td>
</tr>
<tr>
<td>Marine Pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>Environmental Hazards:</td>
<td>No</td>
</tr>
<tr>
<td>Marine Pollutant</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user:</td>
<td>Not regulated.</td>
</tr>
</tbody>
</table>

**IMDG**

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<tr>
<td>Marine Pollutant:</td>
<td>No</td>
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<tr>
<td>Special precautions for user:</td>
<td>Not regulated.</td>
</tr>
</tbody>
</table>

**IATA**

<table>
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<tr>
<td>Label(s):</td>
<td>–</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>–</td>
</tr>
<tr>
<td>Environmental Hazards:</td>
<td>No</td>
</tr>
</tbody>
</table>
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)**


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>Propane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Butane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Ethanol</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>2-Propanol, 2-methyl-</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>((NH4)(OH))</td>
<td></td>
</tr>
</tbody>
</table>

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Fire Hazard
- Immediate (Acute) Health Hazards
- Flammable aerosol
- Skin sensitizer

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Butane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Ethanol</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>2-Propanol, 2-methyl-</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>((NH4)(OH))</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>Propane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Butane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Ethanol</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Cyclohexene, 1-methyl-4-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>(1-methylethynyl)-, (4R)-</td>
<td>(1-methylethynyl)-, (4R)-</td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>dimethylethynyl)-4-methyl-</td>
<td>dimethylethynyl)-4-methyl-</td>
</tr>
<tr>
<td>2-Propanol, 2-methyl-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>((NH4)(OH))</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Bicyclo[3.1.1]heptane, 6,6-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>dimethyl-2-methylene-</td>
<td></td>
</tr>
</tbody>
</table>
SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

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

US State Regulations

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

1,6-Octadiene, 7-methyl-3- methylene- Carcinogenic. 03 2015

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

Chemical Identity
Propane
Butane
Ethanol

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
Propane
Butane
Ethanol

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

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

- Issue Date: 08/15/2019
- Revision Information: No data available.
- Version #: 1.0
- Further Information: No data available.
- Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.