SAFETY DATA SHEET

1. Identification

Product identifier: MALODOR AIR FRESHENER & DEODORIZER

Other means of identification
SDS number: RE1000012077

Recommended restrictions
Product use: Air Freshener
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
  Specific Target Organ Toxicity - Category 3
    Single Exposure

Target Organs
  1. Narcotic effect.

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement: Extremely flammable aerosol.
Causes serious eye irritation.
May cause drowsiness or dizziness.
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. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. Call a POISON CENTER/doctor if you feel unwell.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed.

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanone</td>
<td>67-64-1</td>
<td>50 - &lt;100%</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10 - &lt;20%</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>10 - &lt;20%</td>
</tr>
<tr>
<td>Oils, orange, sweet</td>
<td>8008-57-9</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, 1,2-diethyl ester</td>
<td>84-66-2</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Acetic acid, pentyl ester</td>
<td>628-63-7</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: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

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. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.

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. Store locked up. Aerosol Level 3

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>2-Propanone</td>
<td>STEL</td>
<td>1,000 ppm 2,400 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm 2,400 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>250 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>750 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>500 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>250 ppm 590 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2006)</td>
</tr>
<tr>
<td>Propane</td>
<td>REL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Butane</td>
<td>REL</td>
<td>800 ppm 1,900 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1,000 ppm</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>1,2-Benzenedicarboxylic acid, 1,2-diethyl ester</td>
<td>REL</td>
<td>5 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Acetic acid, pentyl ester</td>
<td>REL</td>
<td>100 ppm 525 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>50 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 525 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>100 ppm 525 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-</td>
<td>TWA</td>
<td>20 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>TWA</td>
<td>10 ppm</td>
<td>US. ACGIH Threshold Limit Values (2008)</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis - Vapor.</td>
<td>STEL</td>
<td>2 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>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></td>
<td>REL</td>
<td>1 ppm 7 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2005)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 ppm 7 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>2,6-Octadienal, 3,7-dimethyl- - Inhalable fraction and vapor.</td>
<td>TWA</td>
<td>5 ppm</td>
<td>US. ACGIH Threshold Limit Values (01 2010)</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>2-Propanone (acetone: Sampling time: End of shift.)</td>
<td>25 mg/l (Urine)</td>
<td>ACGIH BEL (03 2015)</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

No data available.

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

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

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

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

Hygiene measures: Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

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: 4,136.8544 - 4,826.3301 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.
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):
2-Propanone LD 50 (Rat): 5,800 mg/kg

Oils, orange, sweet LD 50: > 2,000 mg/kg

1,2-Benzenedicarboxylic acid, 1,2-diethyl ester LD 50 (Mouse): 2,500 mg/kg

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

Specified substance(s):
2-Propanone LD 50 (Rabbit): > 7,426 mg/kg
<table>
<thead>
<tr>
<th>Substance</th>
<th>LD 50: &gt; 2,000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oils, orange, sweet</td>
<td></td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, 1,2-diethyl ester</td>
<td></td>
</tr>
</tbody>
</table>

**Inhalation**

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

**Specified substance(s):**
- 2-Propanone
  - LC 50 (Rat): 50.1 mg/l
  - LC 50: > 5 mg/l
- Propane
  - LC 50: > 100 mg/l
  - LC 50: > 100 mg/l
- Butane
  - LC 50: > 100 mg/l
  - LC 50: > 100 mg/l
- Oils, orange, sweet
  - LC 50: > 5 mg/l
  - LC 50: > 20 mg/l
- 1,2-Benzenedicarboxylic acid, 1,2-diethyl ester
  - LC 50: > 20 mg/l
  - LC 50: > 5 mg/l

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone
  - NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral 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
- 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
- 1,2-Benzenedicarboxylic acid, 1,2-diethyl ester
  - NOAEL (Rat(Female, Male), Oral, 6 - 16 Weeks): 150 mg/kg Oral Experimental result, Key study

**Skin Corrosion/Irritation**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone
  - in vivo (Rabbit): Not irritant  Experimental result, Supporting study
- 1,2-Benzenedicarboxylic acid, 1,2-diethyl ester
  - in vivo (Rabbit): Not irritant  Experimental result, Key study

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone
  - Irritating.
  - Rabbit, 24 hrs: Minimum grade of severe eye irritant

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone
  - Skin sensitization; in vivo (Guinea pig): Non sensitising
Skin sensitization: in vivo (Guinea pig): Non sensitising

1,2- Benzenedicarboxylic acid, 1,2-diethyl ester

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.

Specified substance(s):
2-Propanone
Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

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

Target Organs
Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

Aspiration Hazard
Product: No data available.

Specified substance(s):
Oils, orange, sweet
May be fatal if swallowed and enters airways.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Specified substance(s):
2-Propanone
LC 50 (Onchorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study

Propane
LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
<table>
<thead>
<tr>
<th>Substance/Influence Factor</th>
<th>LC 50 (Various, 96 h)</th>
<th>QSAR QSAR, Key study</th>
<th>LC 50 (96 h)</th>
<th>LC 50 (Oncorhynchus mykiss, 96 h): 1.9 mg/l</th>
<th>NOAEL (Daphnia magna, 48 h): 43 mg/l</th>
<th>NOAEL (Daphnia magna): 25 mg/l</th>
<th>NOAEL (Daphnia magna): 2,212 mg/l</th>
<th>LOAEL (Daphnia magna): 2,212 mg/l</th>
<th>LC 50 (Daphnia pulex, 48 h): 8,800 mg/l</th>
<th>LC 50 (Daphnia sp., 48 h): 69.43 mg/l</th>
<th>LC 50 (Daphnia magna, 48 h): 90 mg/l</th>
<th>LC 50 (Water flea (Daphnia magna), 24 h): 210 mg/l</th>
<th>LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 65 mg/l Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>147.54 mg/l</td>
<td>QSAR, Key study</td>
<td>&lt; 1 mg/l</td>
<td>1.9 mg/l Experimental result, Key study</td>
<td>43 mg/l Experimental result, Key study</td>
<td>25 mg/l Experimental result, Key study</td>
<td>2,212 mg/l Experimental result, Key study</td>
<td>Daphnia pulex, 48 h: 8,800 mg/l</td>
<td>Daphnia sp., 48 h: 69.43 mg/l QSAR QSAR, Key study</td>
<td>Daphnia magna, 48 h: 90 mg/l Experimental result, Key study</td>
<td>Daphnia magna, 24 h: 210 mg/l</td>
<td>Western mosquitofish (Gambusia affinis), 96 h: 65 mg/l Mortality</td>
<td></td>
</tr>
<tr>
<td>Oils, orange, sweet</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1,2-Benzenedicarboxylic</td>
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<tr>
<td>acid, 1,2-diethyl ester</td>
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<tr>
<td>Acetic acid, penty1 ester</td>
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</tbody>
</table>

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone: LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study
- Butane: LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
- 1,2-Benzenedicarboxylic acid, 1,2-diethyl ester: NOAEL (Daphnia magna, 48 h): 43 mg/l Experimental result, Key study
- Acetic acid, penty1 ester: LC 50 (Water flea (Daphnia magna), 24 h): 210 mg/l Mortality

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone: LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
- Butane: NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
- 1,2-Benzenedicarboxylic acid, 1,2-diethyl ester: NOAEL (Daphnia magna): 25 mg/l Experimental result, Key study

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s):**
- 2-Propanone: 90.9 % (28 d) Detected in water. Experimental result, Key study
- Propane: 100 % (385.5 h) Detected in water. Experimental result, Key study
- Butane: 100 % (385.5 h) Detected in water. Experimental result, Key study
- Oils, orange, sweet: < 70 % (10 d, Assessment)
- 1,2-Benzenedicarboxylic acid, 1,2-diethyl ester: 94.6 % (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):
- 2-Propanone
  - Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment
    Experimental result, Not specified
- 1,2-Benzenedicarboxylic acid, 1,2-diyethyl ester
  - Bluegill (Lepomis macrochirus), Bioconcentration Factor (BCF): 117 (Flow through)

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil:

- No data available.

Known or predicted distribution to environmental compartments

- 2-Propanone
  - No data available.
- Propane
  - No data available.
- Butane
  - No data available.
- Oils, orange, sweet
  - No data available.
- 1,2-Benzenedicarboxylic acid, 1,2-diyethyl ester
  - No data available.
- Acetic acid, pentyl ester
  - No data available.

Other adverse effects:

- No data available.

13. Disposal considerations

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

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es): 2.1
  Class:
  Label(s):
  Packing Group:
  Marine Pollutant:
  Environmental Hazards:
  Marine Pollutant
  Special precautions for user: Not regulated.

IMDG

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

<table>
<thead>
<tr>
<th>UN Number:</th>
<th>UN 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name:</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport Hazard Class(es):</td>
<td>Class: 2.1</td>
</tr>
<tr>
<td></td>
<td>Label(s): –</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>–</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>

**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>2-Propanone</td>
<td>lbs. 5000</td>
</tr>
<tr>
<td>Propane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Butane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, 1,2-diethyl ester</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>Acetic acid, pentyl ester</td>
<td>lbs. 5000</td>
</tr>
<tr>
<td>Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-</td>
<td>lbs. 100</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
- Specific Target Organ Toxicity - Single Exposure

**SARA 302 Extremely Hazardous Substance**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanone</td>
<td></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>2-Propanone</td>
<td>lbs. 5000</td>
</tr>
<tr>
<td>Propane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>Butane</td>
<td>lbs. 100</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, 1,2-diethyl ester</td>
<td>lbs. 1000</td>
</tr>
<tr>
<td>Acetic acid, pentyl ester</td>
<td>lbs. 5000</td>
</tr>
<tr>
<td>Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-</td>
<td>lbs. 100</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>2-Propanone</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Propane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Butane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Oils, orange, sweet</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, 1,2-diethyl ester</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Acetic acid, pentyl ester</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Acetic acid, phenylmethyl ester</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Benzene, 1,1'-oxybis-2,6-Octadienal, 3,7-dimethyl-</td>
<td>10000 lbs</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.

Methanone, diphenyl-     Carcinogenic. 07 2012

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

**Chemical Identity**
- 2-Propanone
- Propane
- Butane

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

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**
- 2-Propanone
- Propane
- Butane

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

### International regulations

- **Montreal protocol**
  Not applicable

- **Stockholm convention**
  Not applicable

- **Rotterdam convention**
  Not applicable

- **Kyoto protocol**
  Not applicable
### Inventory Status:

- **Australia AICS:** 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.
- **Canada DSL Inventory List:** On or 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><strong>Issue Date:</strong></th>
<th>10/03/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revision Information:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Version #:</strong></td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Further Information:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Disclaimer:</strong></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>