SAFETY DATA SHEET

1. Identification
Product number 1000008973
Product identifier BRAKE PARTS CLEANER
Company information Sprayway, Inc.
1005 S. Westgate Drive
Addison, IL 60101 United States
Company phone General Assistance 1-630-628-3000
Emergency telephone US 1-866-836-8855
Emergency telephone outside US 1-952-852-4646
Version # 07
Recommended use Degreaser
Recommended restrictions None known.

2. Hazard(s) identification
Physical hazards Flammable aerosols Category 1
Health hazards Serious eye damage/eye irritation Category 2A
Reproductive toxicity Category 2
Specific target organ toxicity, single exposure Category 3 narcotic effects
Environmental hazards Not classified.
OSHA defined hazards Not classified.
Label elements

Signal word Danger
Hazard statement Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child.
Precautionary statement
Prevention Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response If exposed or concerned: Get medical advice/attention.
Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.

3. Composition/information on ingredients
Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td></td>
<td>67-64-1</td>
<td>80 - 90</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td></td>
<td>124-38-9</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>n-Heptane</td>
<td></td>
<td>142-82-5</td>
<td>2.5 - 10</td>
</tr>
</tbody>
</table>

Product name: BRAKE PARTS CLEANER
Product #: 1000008973 Version #: 07 Issue date: 05-25-2015
### Chemical name and synonyms

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), light aliph.</td>
<td>64742-89-8</td>
<td>2.5 - 10</td>
<td></td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>110-82-7</td>
<td>0.1 - 1</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.1 - 1</td>
<td></td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td>0.01 - 0.1</td>
<td></td>
</tr>
</tbody>
</table>

*: This substance has workplace exposure limit(s).

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

**Inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact**
Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact**
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**
In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.

**Most important symptoms/effects, acute and delayed**
Irritation of nose and throat. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information**
IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

**Suitable extinguishing media**
Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire-fighting equipment/instructions**
Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

**General fire hazards**
Extremely flammable aerosol.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flames, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**
Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flames, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage
Precautions for safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Level 2 Aerosol.
Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 2 Aerosol.

8. Exposure controls/personal protection
Occupational exposure limits
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>PEL</td>
<td>2400 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide (CAS 124-38-9)</td>
<td>PEL</td>
<td>9000 mg/m3</td>
</tr>
<tr>
<td>Cyclohexane (CAS 110-82-7)</td>
<td>PEL</td>
<td>5000 ppm</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td>PEL</td>
<td>300 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2000 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-2 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>Ceiling</td>
<td>300 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), light aliph.</td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>STEL</td>
<td>750 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide (CAS 124-38-9)</td>
<td>STEL</td>
<td>30000 ppm</td>
</tr>
<tr>
<td>Cyclohexane (CAS 110-82-7)</td>
<td>TWA</td>
<td>5000 ppm</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>
### Biological limit values

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>50 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>0.3 mg/g</td>
<td>o-Cresol, with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.03 mg/l</td>
<td>Toluene</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.02 mg/l</td>
<td>Toluene</td>
<td>Blood</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

### Exposure guidelines

#### US - California OELs: Skin designation
- Toluene (CAS 108-88-3) Can be absorbed through the skin.

#### US - Minnesota Haz Subs: Skin designation applies
- Toluene (CAS 108-88-3) Skin designation applies.

### Appropriate engineering controls
- Explosion-proof general and local exhaust ventilation. 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. Provide eyewash station.

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

- **Eye/face protection**: Chemical respirator with organic vapor cartridge and full facepiece.
- **Hand protection**: Wear appropriate chemical resistant gloves.
- **Skin protection**: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
- **Respiratory protection**: Chemical respirator with organic vapor cartridge and full facepiece.
- **Thermal hazards**: Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations
- When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and chemical properties

- **Appearance**: Clear. Liquid.
- **Physical state**: Gas.
- **Form**: Aerosol.
- **Color**: clear
Odor: Solvent.

Odor threshold: Not available.

pH: Not applicable estimated

Melting point/freezing point: Not available.

Initial boiling point and boiling range: 123.68 °F (50.93 °C) estimated

Flash point: -4.0 °F (-20.0 °C) Concentrate estimated

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits:

- Flammability limit - lower (%): 1 % estimated
- Flammability limit - upper (%): 6.7 % estimated
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor pressure: 45 - 60 psig @ 70F estimated

Vapor density: Not available.

Relative density: 0.828 g/cm3 estimated estimated

Solubility(ies):

- Solubility (water): Not available.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: 474.8 °F (246 °C) estimated

Decomposition temperature: Not available.

Viscosity: Not available.

Other information:

- Density: 0.09 g/cm3 estimated
- Flammability class: Flammable IB estimated
- Heat of combustion (NFPA 30B): 27.37 kJ/g estimated
- Percent volatile: 94 % estimated
- Specific gravity: 0.77 - 0.78 estimated estimated

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Fire or intense heat may cause violent rupture of packages.


Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure:

- Ingestion: Expected to be a low ingestion hazard.
- Skin contact: Causes mild skin irritation.
- Eye contact: Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics

Irritation of nose and throat. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause central nervous system effects.

Information on toxicological effects

Acute toxicity

Narcotic effects. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRAKE PARTS CLEANER (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>13340 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>90 mg/l/4h</td>
</tr>
<tr>
<td><strong>Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
<td>&gt; 7426 mg/kg, 24 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 9.4 ml/kg, 24 Hours</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
<td>&gt; 7426 mg/kg, 24 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 9.4 ml/kg, 24 Hours</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>55700 ppm, 3 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>132 mg/l, 3 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.1 mg/l</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>5800 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.2 ml/kg</td>
</tr>
<tr>
<td>Cyclohexane (CAS 110-82-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 32880 mg/m3, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 5540 ppm, 4 Hours</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg, 24 Hours</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 29.29 mg/l, 4 Hours</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 1900 mg/kg, 24 Hours</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 5020 mg/m3, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 4980 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 4980 mg/m3, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 4.96 mg/l, 4 Hours</td>
</tr>
</tbody>
</table>
## Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 Rat</td>
<td>4820 mg/kg</td>
</tr>
</tbody>
</table>

### Toluene (CAS 108-88-3)

**Acute**

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 Rabbit</td>
<td>&gt; 5000 mg/kg, 24 Hours</td>
</tr>
</tbody>
</table>

**Dermal**

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 Mouse</td>
<td>6405 - 7436 ppm, 6 Hours</td>
</tr>
<tr>
<td></td>
<td>5320 ppm, 8 Hours</td>
</tr>
<tr>
<td>Oral LD50 Rat</td>
<td>5879 - 6281 ppm, 6 Hours</td>
</tr>
<tr>
<td></td>
<td>12.5 - 28.8 mg/l, 4 Hours</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Skin corrosion/irritation
Causes mild skin irritation.

### Serious eye damage/eye irritation
Causes serious eye irritation.

### Respiratory or skin sensitization

**Respiratory sensitization**
Not a respiratory sensitizer.

**Skin sensitization**
This product is not expected to cause skin sensitization.

### Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**
Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.

Not listed.

### Reproductive toxicity
May damage fertility or the unborn child. Suspected of damaging fertility or the unborn child.

### Specific target organ toxicity - single exposure
May cause drowsiness or dizziness. May cause drowsiness and dizziness.

### Specific target organ toxicity - repeated exposure
Not classified.

### Aspiration hazard
Not an aspiration hazard.

### Chronic effects
Prolonged inhalation may be harmful.

## 12. Ecological information

### Ecotoxicity
Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRAKE PARTS CLEANER (CAS Mixture)</td>
<td>Algae IC50 Algae</td>
<td>47569 mg/L, 72 Hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea EC50 Daphnia</td>
<td>16290 mg/L, 48 Hours</td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Fish</td>
<td>6585 mg/L, 96 Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>Crustacea EC50 Water flea (Daphnia magna)</td>
<td>21.6 - 23.9 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)</td>
<td>4740 - 6330 mg/l, 96 hours</td>
</tr>
</tbody>
</table>
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexane (CAS 110-82-7)</td>
<td>Aquatic Fish LC50 Fathead minnow (Pimephales promelas) 23.03 - 42.07 mg/l, 96 hours</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td>Aquatic Fish LC50 Mozambique tilapia (Tilapia mossambica) 375 mg/l, 96 hours</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)</td>
<td>Aquatic Algae IC50 Algae 4700 mg/L, 72 Hours</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>Aquatic Algae IC50 Algae 433.0001 mg/L, 72 Hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea EC50 Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Coho salmon, silver salmon (Oncorhynchus kisutch) 8.11 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Persistence and degradability
No data is available on the degradability of this product.

### Bioaccumulative potential
No data available.

#### Partition coefficient n-octanol / water (log Kow)
- Acetone: -0.24
- Cyclohexane: 3.44
- n-Heptane: 4.66
- Toluene: 2.73

### Mobility in soil
No data available.

### Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

#### Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations
Dispose in accordance with all applicable regulations.

#### Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### US RCRA Hazardous Waste U List: Reference
- Acetone (CAS 67-64-1) U002
- Cyclohexane (CAS 110-82-7) U056
- Toluene (CAS 108-88-3) U220

#### Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### 14. Transport information

#### DOT
- UN number: UN1950
- UN proper shipping name: Aerosols, flammable
- Transport hazard class(es): 2.1
**Subsidiary risk** -

**Label(s)** 2.1

**Packing group** Not applicable.

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Special provisions** N82

**Packaging exceptions** 306

**Packaging non bulk** None

**Packaging bulk** None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**IATA**

**UN number** UN1950

**UN proper shipping name** Aerosols, flammable

**Transport hazard class(es)**

- **Class** 2.1
- **Subsidiary risk** -
- **Label(s)** 2.1

**Packing group** Not applicable.

**Environmental hazards** Yes

**ERG Code** 10L

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Other information**

- **Passenger and cargo aircraft** Allowed.
- **Cargo aircraft only** Allowed.
- **Packaging Exceptions** LTD QTY

**IMDG**

**UN number** UN1950

**UN proper shipping name** AEROSOLS

**Transport hazard class(es)**

- **Class** 2.1
- **Subsidiary risk** -
- **Label(s)** 2.1

**Packing group** Not applicable.

**Environmental hazards**

- **Marine pollutant** Yes
- **EmS** F-D, S-U

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Packaging Exceptions** LTD QTY

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**This substance/mixture is not intended to be transported in bulk.**

**DOT**
General information
IMDG Regulated Marine Pollutant.

15. Regulatory information
US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Acetone (CAS 67-64-1) Listed.
Cyclohexane (CAS 110-82-7) Listed.
Toluene (CAS 108-88-3) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexane</td>
<td>110-82-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

- Acetone (CAS 67-64-1) 6532
- Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

- Acetone (CAS 67-64-1) 35 %WV
- Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

- Acetone (CAS 67-64-1) 6532
- Toluene (CAS 108-88-3) 594

US state regulations

US. Massachusetts RTK - Substance List
- Acetone (CAS 67-64-1)
- Carbon Dioxide (CAS 124-38-9)
- Cyclohexane (CAS 110-82-7)
- n-Heptane (CAS 142-82-5)
- Toluene (CAS 108-88-3)

US. New Jersey Worker and Community Right-to-Know Act
- Acetone (CAS 67-64-1)
- Carbon Dioxide (CAS 124-38-9)
- Cyclohexane (CAS 110-82-7)
- n-Heptane (CAS 142-82-5)
- Toluene (CAS 108-88-3)

US. Pennsylvania Worker and Community Right-to-Know Law
- Acetone (CAS 67-64-1)
- Carbon Dioxide (CAS 124-38-9)
- Cyclohexane (CAS 110-82-7)
- n-Heptane (CAS 142-82-5)
- Toluene (CAS 108-88-3)

US. Rhode Island RTK
- Acetone (CAS 67-64-1)
- Cyclohexane (CAS 110-82-7)
- Toluene (CAS 108-88-3)

US. California Proposition 65
- WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Developmental toxin
- Toluene (CAS 108-88-3) Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
- Toluene (CAS 108-88-3) Listed: August 7, 2009

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.