1. Identification

Product identifier: ACRYLIC LACQUER MEDIUM THINNER

Other means of identification: RSP LT70

Recommended use: Industrial applications.

Recommended restrictions: Professional use only

Manufacturer/Importer/Supplier/Distributor information

Manufacturer:
- Company name: Pacific Coast Lacquer (PCL) / Restoration Shop
- Address: 3150 E. Pico Blvd.
  Los Angeles, CA 90023-3683
  United States
- Telephone: Customer Service (800) 672-4900

Emergency phone number: CHEMTREC (800) 424-9300

2. Hazard(s) identification

Physical hazards: Flammable liquids - Category 2

Acute toxicity, oral - Category 4
Skin corrosion/irritation - Category 2
Serious eye damage/eye irritation - Category 2A
Germ cell mutagenicity - Category 1B
Carcinogenicity - Category 1B
Reproductive toxicity (the unborn child) - Category 2
Specific target organ toxicity, single exposure - Category 3 narcotic effects
Specific target organ toxicity, repeated exposure - Category 2

Health hazards: Not classified.

OSHA defined hazards: Not classified.

Label elements

Signal word: Danger

Hazard statement: Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.
**Response**

If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**Supplemental information**

22.74% of the mixture consists of component(s) of unknown acute oral toxicity.

### 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>DISTILLATES, (PETROLEUM), LIGHT DISTILLATE HYDROTREATING PROCESS, LOW-BOILING</td>
<td></td>
<td>68410-97-9</td>
<td>20 - &lt; 30</td>
</tr>
<tr>
<td>ACETONE</td>
<td></td>
<td>67-64-1</td>
<td>10 - &lt; 20</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td></td>
<td>67-63-0</td>
<td>10 - &lt; 20</td>
</tr>
<tr>
<td>n-PROPYL ACETATE</td>
<td></td>
<td>109-60-4</td>
<td>10 - &lt; 20</td>
</tr>
<tr>
<td>TOLUENE</td>
<td></td>
<td>108-88-3</td>
<td>10 - &lt; 20</td>
</tr>
<tr>
<td>ETHYL 3-ETHOXYPROPIONATE</td>
<td></td>
<td>763-69-9</td>
<td>5 - &lt; 10</td>
</tr>
<tr>
<td>2-BUTOXY ETHANOL</td>
<td></td>
<td>111-76-2</td>
<td>3 - &lt; 5</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) 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**

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**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. Get medical advice/attention if irritation develops and persists.

**Ingestion**

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

**Most important symptoms/effects, acute and delayed**

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information**

Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.
Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. 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
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".
Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL (CAS 111-76-2)</td>
<td>240 mg/m³</td>
<td></td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td>DISTILLATES, (PETROLEUM), LIGHT DISTILLATE HYDROTREATING PROCESS, LOW-BOILING (CAS 68410-97-9)</td>
<td>2400 mg/m³</td>
<td></td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>980 mg/m³</td>
<td></td>
</tr>
<tr>
<td>n-PROPYL ACETATE (CAS 109-60-4)</td>
<td>400 ppm</td>
<td></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>TOLUENE (CAS 108-88-3)</td>
<td>TWA</td>
<td>200 ppm</td>
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</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL (CAS 111-76-2)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>STEL</td>
<td>750 ppm</td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>TWA</td>
<td>500 ppm</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>STEL</td>
<td>400 ppm</td>
</tr>
<tr>
<td>ISOPROPYL ACETATE (CAS 109-60-4)</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td>ISOPROPYL ACETATE (CAS 109-60-4)</td>
<td>STEL</td>
<td>250 ppm</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL (CAS 111-76-2)</td>
<td>TWA</td>
<td>24 mg/m³</td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>TWA</td>
<td>5 ppm</td>
</tr>
<tr>
<td>DISTILLATES, (PETROLEUM), LIGHT DISTILLATE HYDROTREATING PROCESS, LOW-BOILING (CAS 68410-97-9)</td>
<td>STEL</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m³</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>
US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-PROPYL ACETATE (CAS 109-60-4)</td>
<td>TWA</td>
<td>980 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1050 mg/m³</td>
<td></td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>TWA</td>
<td>840 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>560 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm</td>
<td></td>
</tr>
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</table>

**Biological limit values**

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL (CAS 111-76-2)</td>
<td>200 mg/g</td>
<td>Butyoacetic acid (BAA), with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>50 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>40 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**

2-BUTOXY ETHANOL (CAS 111-76-2) Can be absorbed through the skin.

TOLUENE (CAS 108-88-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

2-BUTOXY ETHANOL (CAS 111-76-2) Skin designation applies.

TOLUENE (CAS 108-88-3) Skin designation applies.

**US - Tennessee OELs: Skin designation**

2-BUTOXY ETHANOL (CAS 111-76-2) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

2-BUTOXY ETHANOL (CAS 111-76-2) Can be absorbed through the skin.

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

2-BUTOXY ETHANOL (CAS 111-76-2) Can be absorbed through the skin.

**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. Eye wash facilities and emergency shower must be available when handling this product.

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

**Eye/face protection**

Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other**

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 smoke. Keep away from food and drink. 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
- Physical state: Liquid.
- Form: Liquid.
- Color: Clear.

Odor: Mild.

Odor threshold: Not available.

pH: Not available.

Melting point/freezing point: -137.2 °F (-94 °C) estimated

Initial boiling point and boiling range: 132.8 °F (56 °C) estimated

Flash point: -0.4 °F (-18.0 °C) estimated

Evaporation rate: Not available.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%): 1.3 % estimated
- Flammability limit - upper (%): 13 % estimated
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor pressure: 60.83 hPa estimated

Vapor density: Not available.

Relative density: Not available.

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

Auto-ignition temperature: 710.6 °F (377 °C) estimated

Decomposition temperature: Not available.

Viscosity: Not available.

Other information
- Density: 6.87 lbs/gal
- Explosive properties: Not explosive.
- Flammability class: Flammable IB estimated
- Oxidizing properties: Not oxidizing.
- Percent volatile: 100 %
- Specific gravity: 0.82
- VOC: 6.92 lbs/gal (829.10 g/l) Coating VOC
- Material VOC: 5.88 lbs/gal (704.91 g/l) Material VOC
- VOC composite vapor pressure: 32 mm Hg at 68°F

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: 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.

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact
Causes skin irritation.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Eye contact
Causes serious eye irritation.

Ingestion
Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity
Harmful if swallowed. Narcotic effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL (CAS 111-76-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>400 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mouse</td>
<td>700 ppm, 7 Hours</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>450 ppm, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Guinea pig</td>
<td>1.2 g/kg</td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
<td>1.2 g/kg</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
<td>0.32 g/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>560 mg/kg</td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>&gt; 20 mg/l, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>ETHYL 3-ETHOXYPROPIONATE (CAS 763-69-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>4080 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>&gt; 998 ppm, 6 h</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>12800 mg/kg</td>
</tr>
</tbody>
</table>
## Test Results

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Dog</td>
<td>4797 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
<td>3600 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
<td>5.03 g/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>4.7 g/kg</td>
</tr>
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</table>

n-PROPYL ACETATE (CAS 109-60-4)

### Acute

<table>
<thead>
<tr>
<th>Oral</th>
<th>Mouse</th>
<th>8300 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rabbit</td>
<td>6.64 g/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>9370 mg/kg</td>
</tr>
</tbody>
</table>

TOLUENE (CAS 108-88-3)

### Acute

<table>
<thead>
<tr>
<th>Dermal</th>
<th>Rabbit</th>
<th>12124 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>14.1 ml/kg</td>
</tr>
</tbody>
</table>

### Inhalation

<table>
<thead>
<tr>
<th>LC50</th>
<th>Mouse</th>
<th>5320 ppm, 8 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rat</td>
<td>26700 ppm, 1 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12200 ppm, 2 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8000 ppm, 4 Hours</td>
</tr>
</tbody>
</table>

### Oral

<table>
<thead>
<tr>
<th>LD50</th>
<th>Rat</th>
<th>2.6 g/kg</th>
</tr>
</thead>
</table>

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

### Skin corrosion/irritation

- **Causes skin irritation.**

### Irritation Corrosion - Skin

<table>
<thead>
<tr>
<th>ETHYL 3-ETHOXYPROPIONATE</th>
<th>Result: Mild skin irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Species: Rabbit</td>
<td></td>
</tr>
<tr>
<td>Test Duration: 4 h</td>
<td></td>
</tr>
</tbody>
</table>

### Serious eye damage/eye irritation

- **Causes serious eye irritation.**

### Respiratory or skin sensitization

- **Not a respiratory sensitizer.**
- **This product is not expected to cause skin sensitization.**

### Germ cell mutagenicity

- **May cause genetic defects.**

### Carcinogenicity

- **May cause cancer.**

#### IARC Monographs. Overall Evaluation of Carcinogenicity

- **2-BUTOXY ETHANOL (CAS 111-76-2)**: Not classifiable as to carcinogenicity to humans.
- **TOLUENE (CAS 108-88-3)**: Not classifiable as to carcinogenicity to humans.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

- **Not listed.**

### Reproductive toxicity

- **Suspected of damaging the unborn child.**

### Specific target organ toxicity - single exposure

- **May cause drowsiness and dizziness.**

### Specific target organ toxicity - repeated exposure

- **May cause damage to organs through prolonged or repeated exposure.**

### Aspiration hazard

- **Not an aspiration hazard.**
Chronic effects

May cause damage to organs through prolonged or repeated exposure. May be harmful if absorbed through skin. Prolonged inhalation may be harmful.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL (CAS 111-76-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Fish</td>
<td>LC50</td>
<td>Inland silverside (Menidia beryllina) 1250 mg/l, 96 hours</td>
</tr>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Other</td>
<td>LC50</td>
<td>Micro-organisms &gt; 100 mg/l</td>
</tr>
<tr>
<td>Aquatic Algae</td>
<td>LC50</td>
<td>Algae &gt; 100 mg/l</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>LC50</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50</td>
</tr>
<tr>
<td>Chronic Crustacea</td>
<td>NOEC</td>
<td>Crustacea 10 - 100 mg/l</td>
</tr>
<tr>
<td>ETHYL 3-ETHOXYPROPIONATE (CAS 763-69-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>EC50</td>
<td>Pseudokirchnerella subcapitata &gt; 114.86 mg/l, 72 h</td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 479.7 mg/l, 48 h</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus) &gt; 1400 mg/l, 96 hours</td>
</tr>
<tr>
<td>n-PROPYL ACETATE (CAS 109-60-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 56 - 64 mg/l, 96 hours</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50</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

Partition coefficient n-octanol / water (log Kow)

2-BUTOXY ETHANOL 0.83
ACETONE 0.2, (log Pow)
ISOPROPYL ALCOHOL 0.05
n-PROPYL ACETATE 1.23
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. 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.

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
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number
UN1263

UN proper shipping name
Paint related material including paint thinning, drying, removing, or reducing compound

Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3

Packing group
II

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

Special provisions
149, B52, IB2, T4, TP1, TP8, TP28

Packaging exceptions
150

Packaging non bulk
173

Packaging bulk
242

IATA

UN number
UN1263

UN proper shipping name
Paint related material (including paint thinning or reducing compounds)

Transport hazard class(es)
Class 3
Subsidiary risk -

Packing group
II

Environmental hazards
No.

ERG Code
3L

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

Other information
Passenger and cargo aircraft
Allowed.

Cargo aircraft only
Allowed.

IMDG

UN number
UN1263

UN proper shipping name
PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

Transport hazard class(es)
Class 3
Subsidiary risk -

Packing group
II

Environmental hazards
Marine pollutant
No.

EmS
F-E, S-E

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.
15. Regulatory information

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

- 2-BUTOXY ETHANOL (CAS 111-76-2) Listed.
- ACETONE (CAS 67-64-1) Listed.
- ISOPROPYL ALCOHOL (CAS 67-63-0) Listed.
- n-PROPYL ACETATE (CAS 109-60-4) Listed.
- TOLUENE (CAS 108-88-3) Listed.

**SARA 304 Emergency release notification**

Not regulated.


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>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>10 - &lt; 20</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>10 - &lt; 20</td>
</tr>
<tr>
<td>2-BUTOXY ETHANOL</td>
<td>111-76-2</td>
<td>3 - &lt; 5</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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>6532</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>6594</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>%WV</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>35%WV</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>35%WV</td>
</tr>
</tbody>
</table>

DEA Exempt Chemical Mixtures Code Number

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE (CAS 67-64-1)</td>
<td>6532</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>594</td>
</tr>
</tbody>
</table>

US state regulations

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**
Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

2-BUTOXY ETHANOL (CAS 111-76-2)
ACETONE (CAS 67-64-1)
DISTILLATES, (PETROLEUM), LIGHT DISTILLATE HYDROTREATING PROCESS, LOW-BOILING (CAS 68410-97-9)
ISOPROPYL ALCOHOL (CAS 67-63-0)
TOLUENE (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

2-BUTOXY ETHANOL (CAS 111-76-2)
ACETONE (CAS 67-64-1)
DISTILLATES, (PETROLEUM), LIGHT DISTILLATE HYDROTREATING PROCESS, LOW-BOILING (CAS 68410-97-9)
ISOPROPYL ALCOHOL (CAS 67-63-0)
n-PROPYL ACETATE (CAS 109-60-4)
TOLUENE (CAS 108-88-3)

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

2-BUTOXY ETHANOL (CAS 111-76-2)
ACETONE (CAS 67-64-1)
ISOPROPYL ALCOHOL (CAS 67-63-0)
n-PROPYL ACETATE (CAS 109-60-4)
TOLUENE (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

2-BUTOXY ETHANOL (CAS 111-76-2)
ACETONE (CAS 67-64-1)
DISTILLATES, (PETROLEUM), LIGHT DISTILLATE HYDROTREATING PROCESS, LOW-BOILING (CAS 68410-97-9)
ISOPROPYL ALCOHOL (CAS 67-63-0)
n-PROPYL ACETATE (CAS 109-60-4)
TOLUENE (CAS 108-88-3)

**US. Rhode Island RTK**

2-BUTOXY ETHANOL (CAS 111-76-2)
ACETONE (CAS 67-64-1)
ISOPROPYL ALCOHOL (CAS 67-63-0)
TOLUENE (CAS 108-88-3)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Listed date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZENE (CAS 71-43-2)</td>
<td>February 27, 1987</td>
</tr>
<tr>
<td>ETHYL ACRYLATE (CAS 140-88-5)</td>
<td>July 1, 1989</td>
</tr>
<tr>
<td>FORMALDEHYDE (CAS 50-00-0)</td>
<td>January 1, 1988</td>
</tr>
</tbody>
</table>

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Listed date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZENE (CAS 71-43-2)</td>
<td>December 26, 1997</td>
</tr>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>January 1, 1991</td>
</tr>
</tbody>
</table>

**US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Listed date</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE (CAS 108-88-3)</td>
<td>August 7, 2009</td>
</tr>
</tbody>
</table>

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Listed date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZENE (CAS 71-43-2)</td>
<td>December 26, 1997</td>
</tr>
<tr>
<td>Country(s) or region</td>
<td>Inventory name</td>
</tr>
<tr>
<td>----------------------------</td>
<td>----------------------------------------------------</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</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).

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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>01-25-2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version #</td>
<td>01</td>
</tr>
</tbody>
</table>

HMIS® ratings
- Health: 2*
- Flammability: 3
- Physical hazard: 0

NFPA ratings
- Health: 2
- Flammability: 3
- Instability: 0

Disclaimer
The information contained herein is based on data supplied to us from sources believed to be reliable at the date of issue. Nothing herein shall be deemed to create any warranty of any kind, express or implied, concerning the accuracy or completeness of the information provided or the results to be obtained from the use thereof. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage, transportation, handling and disposal of the product in compliance with applicable federal, state and local laws and regulations. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.