Other Sections
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

---

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
Elmer's Contact Cement

Synonyms
E1014; 67014

Chemical Family
Adhesive.

Product Use
Adhesive.

Manufacturer Information
Elmer's Products, Inc
460 Polaris Parkway, Suite 500
Westerville, OH 43082
USA
Phone: 1-888-435-6377
Fax: 1-800-741-6046
Email: comments@elmers.com

Emergency Phone Number:
Poison Control Center
1-888-516-2502

For additional product information, access our website at www.elmers.com. To place an order, call 1-800-848-9400.

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Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Flammable Liquids - Category 2
Aspiration Hazard - Category 1
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2A
Reproductive Toxicity - Category 1B
Specific Target Organ Toxicity - Single Exposure - Category 1 (central nervous system, respiratory system, kidneys, liver)
Specific Target Organ Toxicity - Single Exposure - Category 2Oral (nervous system)
Specific Target Organ Toxicity - Single Exposure - Category 3
Specific Target Organ Toxicity - Repeated Exposure - Category 1 (central nervous system, Peripheral Nervous System, nervous system, respiratory system)
Specific Target Organ Toxicity - Repeated Exposure - Category 2 (liver, digestive system, skin, blood, adrenal gland, body weight, brain, thyroid gland, kidneys)
Hazardous to the Aquatic Environment - Acute - Category 2
Hazardous to the Aquatic Environment - Chronic - Category 3

GHS Label Elements

Symbol(s)

Signal Word
Danger

Hazard Statement(s)
Highly flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May damage fertility or the unborn child
Causes damage to organs
May cause damage to organs
May cause respiratory irritation. May cause drowsiness or dizziness
Causes damage to organs through prolonged or repeated exposure
May cause damage to organs through prolonged or repeated exposure
Toxic to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary Statement(s)

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

Response
In case of fire: Use appropriate media to extinguish
If exposed: Call a POISON CENTER or doctor/physician
If exposed or concerned: Call a POISON CENTER or doctor/physician
If INHALED: Remove person to fresh air and keep at rest in a position 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
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
If skin irritation occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER/doctor
Do NOT induce vomiting
Call a POISON CENTER or doctor if you feel unwell
Specific treatment (see label)

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

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

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**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>78-93-3</td>
<td>Methyl ethyl ketone</td>
<td>21.81</td>
</tr>
<tr>
<td>64742-89-8</td>
<td></td>
<td>19.52</td>
</tr>
</tbody>
</table>
Solvent naphtha, petroleum, light aliphatic

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>Acetone</td>
<td>19.11</td>
</tr>
<tr>
<td>141-78-6</td>
<td>Ethyl acetate</td>
<td>17.75</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>3.82</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>0.24</td>
</tr>
</tbody>
</table>

**Section 4 - FIRST AID MEASURES**

**Description of Necessary Measures**
IF exposed or concerned, Get medical advice/attention.

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

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

**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.

**Ingestion**
Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Aspiration hazard. If vomiting occurs, keep head lower than hips to help prevent aspiration. Aspiration into the lungs may result in pulmonary edema and pneumonitis.

**Most Important Symptoms/Effects**

**Acute**
May cause respiratory irritation, eye irritation, skin irritation. central nervous system damage, respiratory system damage, liver damage, kidney damage.

**Delayed**
May damage the unborn child. central nervous system effects. Peripheral Nervous System Effects. respiratory system effects. liver effects. digestive system blood effects on the brain. adrenal gland kidney effects.
Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media
Dry chemical, foam or carbon dioxide, water spray.

Unsuitable Extinguishing Media
None known.

Special Hazards Arising from the Chemical
Highly flammable liquid and vapor. Severe fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Vapor/air mixtures are explosive.

Hazardous Combustion Products
Aldehydes, oxides of carbon.

Special Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus with a full facepiece and protective clothing.

Fire Fighting Measures
Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Do not touch or walk through spilled material.

Methods and Materials for Containment and Cleaning Up
Keep unnecessary people away, isolate hazard area and deny entry. Do not touch or walk through spilled material. Eliminate all sources of ignition. Ground any equipment used in handling. Stop leak if possible without personal risk. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools and equipment.

Environmental Precautions
Prevent entry into waterways, sewers, basements, or confined areas.

Section 7 - HANDLING AND STORAGE
Precautions for Safe Handling
Do not breathe vapor or mist. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Ground any equipment used in handling. Do not cut, puncture, or weld on or near this container. Do not spray on naked flames or any incandescent material. Use only with adequate ventilation. Keep out of reach of children. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities
Store in a well-ventilated place. Keep container tightly closed
Keep cool
Store locked up
Keep away from sources of ignition. Keep away from incompatible materials.

Incompatible Materials
Acids, alcohol, alkaline materials, strong oxidizing agents.

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH:</th>
<th>NIOSH:</th>
<th>Europe:</th>
<th>OSHA (US):</th>
<th>Mexico:</th>
<th>Acetone:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone 78-93-3</td>
<td>200 ppm TWA</td>
<td>200 ppmTWA; 590 mg/m3TWA</td>
<td>200 ppm TWA; 600 mg/m3 TWA</td>
<td>200 ppmTWA; 590 mg/m3TWA</td>
<td>200 ppmTWA LMPE-PPT; 590 mg/m3TWA LMPE-PPT</td>
<td>67-64-1</td>
</tr>
<tr>
<td></td>
<td>300 ppm STEL</td>
<td>300 ppmSTEL; 885 mg/m3STEL</td>
<td>300 ppm STEL; 900 mg/m3 STEL</td>
<td>200 ppmTWA; 590 mg/m3TWA</td>
<td>300 ppmSTEL [LMPE-CT]; 885 mg/m3STEL [LMPE-CT]</td>
<td></td>
</tr>
<tr>
<td>NIOSH:</td>
<td>200 ppmTWA; 590 mg/m3TWA</td>
<td>300 ppmSTEL; 885 mg/m3STEL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3000 ppmIDLH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA (US):</td>
<td>200 ppmTWA; 590 mg/m3TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>500 ppm TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>750 ppm STEL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH:</td>
<td>250 ppmTWA; 590 mg/m3TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500 ppmIDLH (10% LEL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Component</td>
<td>Regulations</td>
<td>Limits</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------------</td>
<td>-----------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>Europe: 500 ppm TWA</td>
<td>1210 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA (US): 1000 ppm TWA</td>
<td>2400 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mexico: 1000 ppm TWA LMPE-PPT</td>
<td>2400 mg/m³ TWA LMPE-PPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1260 ppm STEL [LMPE-CT]; 3000 mg/m³ STEL [LMPE-CT]</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Ethyl acetate</td>
<td>ACGIH: 400 ppm TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NIOSH: 400 ppm TWA</td>
<td>1400 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2000 ppm IDLH (10% LEL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA (US): 400 ppm TWA</td>
<td>1400 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mexico: 400 ppm TWA LMPE-PPT</td>
<td>1400 mg/m³ TWA LMPE-PPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2000 ppm IDLH (10% LEL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>ACGIH: 100 ppm TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm STEL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Europe: 50 ppm TWA (pure); 221 mg/m³ TWA (pure)</td>
<td>Possibility of significant uptake through the skin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm STEL (pure); 442 mg/m³ STEL (pure)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA (US): 100 ppm TWA</td>
<td>435 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mexico: 100 ppm TWA LMPE-PPT</td>
<td>435 mg/m³ TWA LMPE-PPT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm STEL [LMPE-CT]; 655 mg/m³ STEL [LMPE-CT]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Biological limit value**
There are no biological limit values for any of this product's components.

**Engineering Controls**
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/face protection**
Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin Protection**
Wear appropriate chemical resistant clothing.

**Respiratory Protection**
A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Glove Recommendations**
Wear appropriate chemical resistant gloves. Neoprene rubber.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Clear Colorless Liquid</th>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Naphtha type</td>
<td>Color</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
<td>Boiling Point</td>
<td>131 - 281 °F</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
<td>Evaporation Rate</td>
<td>Slower than n-butyl acetate</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>Not available</td>
<td>Flash Point</td>
<td>1 °F [TCC]</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>1 %</td>
<td>Decomposition</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
<td>Vapor Pressure</td>
<td>180 mmHg</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>&gt;1</td>
<td>Specific Gravity (water=1)</td>
<td>0.589</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not available</td>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
<td>Solubility (Other)</td>
<td>12.8%</td>
</tr>
<tr>
<td>Density</td>
<td>Not available</td>
<td>VOC</td>
<td>5.79 (minus exempt)</td>
</tr>
<tr>
<td>Weight per gallon</td>
<td>7.16 lbs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Section 10 - STABILITY AND REACTIVITY

**Reactivity**
No hazard expected.

**Chemical Stability**
Stable under normal conditions of use.

**Possibility of Hazardous Reactions**
Hazardous polymerization will not occur.

**Conditions to Avoid**
Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

**Incompatible Materials**
Acids, alcohols, alkaline materials, strong oxidizing agents.

**Hazardous decomposition products**
Aldehydes, oxides of carbon.

---

**Section 11 - TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Inhalation**
May cause respiratory irritation.

**Skin Contact**
Causes skin irritation.

**Eye Contact**
Causes serious eye irritation.

**Ingestion**
Aspiration Hazard: May be fatal if swallowed and enters airways.

**Acute and Chronic Toxicity**

**Component Analysis - LD50/LC50**
The components of this material have been reviewed in various sources and the following selected endpoints are published:
- Methyl ethyl ketone (78-93-3)
  - Oral LD50 Rat 2483 mg/kg
  - Dermal LD50 Rabbit 5000 mg/kg
  - Inhalation LC50 Rat 11700 ppm 4 h
- Solvent naphtha, petroleum, light aliphatic (64742-89-8)
  - Oral LD50 Mouse 5000 mg/kg
  - Dermal LD50 Rabbit 3000 mg/kg
  - Acetone (67-64-1)
  - Inhalation LC50 Rat 50100 mg/m3 8 h
Ethyl acetate (141-78-6)
Oral LD50 Rat 5620 mg/kg
Dermal LD50 Rabbit > 18000 mg/kg
Inhalation LC50 Mouse 1500 ppm 4 h
Xylenes (o-, m-, p- isomers) (1330-20-7)
Oral LD50 Rat 3500 mg/kg
Dermal LD50 Rabbit > 4350 mg/kg
Inhalation LC50 Rat 29.08 mg/L 4 h
Water (7732-18-5)
Oral LD50 Rat > 90 mL/kg

Immediate Effects
May be fatal if swallowed and enters airways. May cause respiratory irritation, eye irritation, skin irritation.

Delayed Effects
May damage fertility or the unborn child. May cause peripheral nervous system damage, central nervous system damage, nervous system.

Irritation/Corrosivity Data
May cause respiratory irritation, eye irritation, skin irritation.

Respiratory Sensitization
No information available for the product.

Dermal Sensitization
No information available for the product.

Component Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH (Classifiable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>A4 - Not Classifiable as a Human Carcinogen</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>1330-20-7</td>
</tr>
<tr>
<td>ACGIH</td>
<td>A4 - Not Classifiable as a Human Carcinogen</td>
</tr>
<tr>
<td>IARC:</td>
<td>Monograph 71 [1999]; Monograph 47 [1989](Group 3 (not classifiable))</td>
</tr>
</tbody>
</table>

Germ Cell Mutagenicity
No information available for the product.

Reproductive Toxicity
May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure
central nervous system, respiratory system, kidneys, liver, nervous system. skin,

**Specific Target Organ Toxicity - Repeated Exposure**
central nervous system, respiratory system, kidneys, liver, nervous system. Peripheral Nervous System, digestive system, blood, adrenal gland, body weight, thyroid gland.

**Aspiration hazard**
May be fatal if swallowed.

**Medical Conditions Aggravated by Exposure**
No data available.

---

**Section 12 - ECOLOGICAL INFORMATION**

**Component Analysis - Aquatic Toxicity**

<table>
<thead>
<tr>
<th>Component Analysis - Aquatic Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Methyl ethyl ketone</strong></td>
<td>78-93-3</td>
</tr>
<tr>
<td><strong>Fish:</strong></td>
<td>LC50 96 h Pimephales promelas 3130 - 3320 mg/L [flow-through]</td>
</tr>
<tr>
<td><strong>Invertebrate:</strong></td>
<td>EC50 48 h Daphnia magna &gt;520 mg/L IUCLID; EC50 48 h Daphnia magna 5091 mg/L IUCLID; EC50 48 h Daphnia magna 4025 - 6440 mg/L [static] EPA</td>
</tr>
<tr>
<td><strong>Solvent naphtha, petroleum, light aliphatic</strong></td>
<td>64742-89-8</td>
</tr>
<tr>
<td><strong>Algae:</strong></td>
<td>EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID</td>
</tr>
<tr>
<td><strong>Acetone</strong></td>
<td>67-64-1</td>
</tr>
<tr>
<td><strong>Fish:</strong></td>
<td>LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static]; LC50 96 h Lepomis macrochirus 8300 mg/L</td>
</tr>
<tr>
<td><strong>Invertebrate:</strong></td>
<td>EC50 48 h Daphnia magna 10294 - 17704 mg/L [static] EPA; EC50 48 h Daphnia magna 12600 - 17200 mg/L IUCLID</td>
</tr>
<tr>
<td><strong>Ethyl acetate</strong></td>
<td>141-78-6</td>
</tr>
<tr>
<td><strong>Fish:</strong></td>
<td>LC50 96 h Pimephales promelas 220 - 250 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 484 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 352 - 500 mg/L [semi-static]</td>
</tr>
<tr>
<td><strong>Invertebrate:</strong></td>
<td>EC50 48 h Daphnia magna 560 mg/L [static] EPA</td>
</tr>
<tr>
<td><strong>Xylenes (o-, m-, p- isomers)</strong></td>
<td>1330-20-7</td>
</tr>
<tr>
<td><strong>Fish:</strong></td>
<td>LC50 96 h Pimephales promelas 13.4 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L [static]; LC50 96 h Oncorhynchus</td>
</tr>
</tbody>
</table>
### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**
Dispose in accordance with all applicable regulations. Do not puncture container.

### Section 14 - TRANSPORT INFORMATION

**US DOT Information:**
- **Shipping Name:** FLAMMABLE LIQUIDS, N.O.S.
- **Hazard Class:** 3
- **UN/NA #:** UN1993
- **Packing Group:** II
- **Required Label(s):** 3

**TDG Information:**
- **Shipping Name:** FLAMMABLE LIQUID, N.O.S.
- **Hazard Class:** 3
- **UN#:** UN1993
- **Packing Group:** II
- **Required Label(s):**

### Section 15 - REGULATORY INFORMATION

**U.S. Federal Regulations**
This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>UN/NA #</th>
<th>Required RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>5000 lb final RQ; 2270 kg final RQ</td>
</tr>
<tr>
<td>CERCLA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td></td>
</tr>
<tr>
<td>Component</td>
<td>CAS</td>
<td>CA</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----------</td>
<td>------</td>
</tr>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>Yes</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>Yes</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>Yes</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>1330-20-7</td>
<td>Yes</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>No</td>
</tr>
</tbody>
</table>

**Not listed under California Proposition 65**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>1</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>1</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>1</td>
</tr>
</tbody>
</table>

**Component Analysis - Inventory**

Methyl ethyl ketone (78-93-3)
Solvent naphtha, petroleum, light aliphatic (64742-89-8)

Acetone (67-64-1)

Ethyl acetate (141-78-6)

Xylenes (o-, m-, p- isomers) (1330-20-7)

Water (7732-18-5)

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**Section 16 - OTHER INFORMATION**

**HMIS Rating**

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation,
and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsTs™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

**Other Information**
Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.

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