SAFETY DATA SHEET

1. Identification

Product identifier: 1oz Vinyl and Leather Repair

Other means of identification

Product Code: 61Z09

Recommended use: Not available.

Manufacturer/Importer/Supplier/Distributor information

Company name: Plasti Dip International
Address: 3920 Pheasant Ridge Drive
Blaine, MN 55449
United States

Telephone: General Assistance 763-785-2156
Website: Plastidip.com
E-mail: Pdi@Plastidip.com
Emergency phone number: Chemtrec/INTL 800-424-9300/703-741-5970

2. Hazard(s) identification

Physical hazards
Flammable liquids Category 2
Acute toxicity, oral Category 4
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Carcinogenicity Category 2
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
Specific target organ toxicity, single exposure Category 3 narcotic effects
Specific target organ toxicity, repeated exposure Category 2

Health hazards

Environmental 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. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. 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 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**


**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**

18.34% of the mixture consists of component(s) of unknown acute oral toxicity. 96.89% of the mixture consists of component(s) of unknown acute inhalation 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>TETRAHYDROFURAN</td>
<td>60 to &lt;70</td>
<td>109-99-9</td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>10 to &lt;20</td>
<td>78-93-3</td>
<td></td>
</tr>
<tr>
<td>Poly Vinyl Chloride Homopolymer</td>
<td>5 to &lt;10</td>
<td>9002-86-2</td>
<td></td>
</tr>
<tr>
<td>CYCLOHEXANONE</td>
<td>1 to &lt;5</td>
<td>108-94-1</td>
<td></td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td>10 to &lt;20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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. Oxygen or artificial respiration if needed. 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 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. May cause respiratory irritation. 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**

Water fog. Alcohol resistant foam. 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, flames, 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, flames, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

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 taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. 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".
8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly Vinyl Chloride Homopolymer (CAS 9002-86-2)</td>
<td>STEL</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Poly Vinyl Chloride Homopolymer (CAS 9002-86-2)</td>
<td>TWA</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Value</th>
<th>Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYCLOHEXANONE (CAS 108-94-1)</td>
<td>200 mg/m3</td>
<td>PEL</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (CAS 78-93-3)</td>
<td>50 ppm</td>
<td>PEL</td>
</tr>
<tr>
<td>Poly Vinyl Chloride Homopolymer (CAS 9002-86-2)</td>
<td>5 ppm</td>
<td>PEL</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>15 mg/m3</td>
<td>PEL</td>
</tr>
<tr>
<td></td>
<td>Total dust.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>590 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>200 ppm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYCLOHEXANONE (CAS 108-94-1)</td>
<td>STEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (CAS 78-93-3)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Poly Vinyl Chloride Homopolymer (CAS 9002-86-2)</td>
<td>STEL</td>
<td>300 ppm</td>
</tr>
<tr>
<td>Poly Vinyl Chloride Homopolymer (CAS 9002-86-2)</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>STEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYCLOHEXANONE (CAS 108-94-1)</td>
<td>TWA</td>
<td>100 mg/m3</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (CAS 78-93-3)</td>
<td>STEL</td>
<td>25 ppm</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (CAS 78-93-3)</td>
<td>TWA</td>
<td>885 mg/m3</td>
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<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>STEL</td>
<td>300 ppm</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>TWA</td>
<td>590 mg/m3</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
</tbody>
</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>CYCLOHEXANONE (CAS 108-94-1)</td>
<td>80 mg/l</td>
<td>1,2-Cyclohexanediol, with hydrolysis</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>8 mg/l</td>
<td>Cyclohexanol, with hydrolysis</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (CAS 78-93-3)</td>
<td>2 mg/l</td>
<td>MEK</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td>2 mg/l</td>
<td>Tetrahydrofuran</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

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

### Exposure guidelines

**US - California OELs: Skin designation**  
CYCLOHEXANONE (CAS 108-94-1) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**  
CYCLOHEXANONE (CAS 108-94-1) Skin designation applies.

**US - Tennessee OELs: Skin designation**  
CYCLOHEXANONE (CAS 108-94-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**  
CYCLOHEXANONE (CAS 108-94-1) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**  
CYCLOHEXANONE (CAS 108-94-1) 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**  
Wear safety glasses with side shields (or goggles).

**Skin protection**

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

**Other**  
Wear appropriate chemical resistant clothing.

**Respiratory protection**  
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards**  
Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**  
Observe any medical surveillance requirements. 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**  
Not available.

**Odor**  
Not available.

**Odor threshold**  
Not available.

**pH**  
Not available.

**Melting point/freezing point**  
-162.94 °F (-108.3 °C) estimated

**Initial boiling point and boiling range**  
149 °F (65 °C) estimated
Flash point: 2.0 °F (-16.7 °C) estimated
Evaporation rate: Not available.
Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits:
- Flammability limit - lower (%): 1.8 % estimated
- Flammability limit - upper (%): 11.8 % estimated
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor pressure: 193.59 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: 609.8 °F (321 °C) estimated
Decomposition temperature: Not available.
Viscosity: Not available.

Other information:
- Density: 8.06 lbs/gal
- Explosive properties: Not explosive.
- Flammability class: Flammable IB estimated
- Oxidizing properties: Not oxidizing.
- Percent volatile: 81.04
- Specific gravity: 0.97
- VOC: 6.53 lbs/gal Regulatory
- 782.6 g/l Regulatory
- 6.53 lbs/gal Material
- 782.6 g/l Material

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.
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: Harmful if inhaled. 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.
- Eye contact: Causes serious eye irritation.
- Ingestion: Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics:
- Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

Information on toxicological effects:
Acute toxicity: Harmful if inhaled. Harmful if swallowed. Narcotic effects. May cause respiratory irritation.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
</table>

**METHYL ETHYL KETONE (CAS 78-93-3)**

**Acute**

**Dermal**
- LD50 Rabbit: > 8000 mg/kg

**Inhalation**
- LC50 Mouse: 11000 ppm, 45 Minutes
- Rat: 11700 ppm, 4 Hours

**Oral**
- LD50 Mouse: 670 mg/kg
- Rat: 2300 - 3500 mg/kg

**TETRAHYDROFURAN (CAS 109-99-9)**

**Acute**

**Dermal**
- LD50 Rabbit: 2100 mg/kg

**Inhalation**
- LC50 Rat: 80975 ppm, 1 Hours
- 62000 ppm, 2 Hours
- 21000 ppm, 3 Hours
- 18000 - 22000 ppm, 4 Hours
- LD50 Mouse: 6700 mg/l, 30 Minutes

**Oral**
- LD50 Rat: 1650 mg/kg

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

**Skin corrosion/irritation**
- Causes 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**

IARC Monographs. Overall Evaluation of Carcinogenicity
- CYCLOHEXANONE (CAS 108-94-1): Not classifiable as to carcinogenicity to humans.
- Poly Vinyl Chloride Homopolymer (CAS 9002-86-2): Not classifiable as to carcinogenicity to humans.

- Poly Vinyl Chloride Homopolymer (CAS 9002-86-2): Cancer

**US. National Toxicology Program (NTP) Report on Carcinogens**
- Not listed.

**Reproductive toxicity**
- This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
- May cause respiratory irritation. 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. Prolonged inhalation may be harmful.
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>CYCLOHEXANONE (CAS 108-94-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (CAS 78-93-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 4025 - 6440 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Sheepshead minnow (Cyprinodon variegatus) &gt; 400 mg/l, 96 hours</td>
</tr>
<tr>
<td>TETRAHYDROFURAN (CAS 109-99-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 1970 - 2360 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

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYCLOHEXANONE</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
</tr>
<tr>
<td>TETRAHYDROFURAN</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1139</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>UN1139, Coating solution</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>3</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Label(s)</td>
<td>3</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
<tr>
<td>Special provisions</td>
<td>149, IB2, T4, TP1, TP8</td>
</tr>
<tr>
<td>Packaging exceptions</td>
<td>150</td>
</tr>
<tr>
<td>Packaging non bulk</td>
<td>202</td>
</tr>
<tr>
<td>Packaging bulk</td>
<td>242</td>
</tr>
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</table>

IATA

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1139</th>
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</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Coating solution</td>
</tr>
</tbody>
</table>
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: UN1139

UN proper shipping name: Coating solution

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

Packing group: II

Environmental hazards
- Marine pollutant: No.

EmS: Not available.

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

DOT

IATA; IMDG

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)
- CYCLOHEXANONE (CAS 108-94-1) Listed.
- METHYL ETHYL KETONE (CAS 78-93-3) Listed.
SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Poly Vinyl Chloride Homopolymer (CAS 9002-86-2) Cancer
Central nervous system
Liver
Blood
Flammability

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)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.
Safe Drinking Water Act (SDWA)
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
METHYL ETHYL KETONE (CAS 78-93-3) 6714
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
METHYL ETHYL KETONE (CAS 78-93-3) 35 %WV
DEA Exempt Chemical Mixtures Code Number
METHYL ETHYL KETONE (CAS 78-93-3) 6714
FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
CYCLOHEXANONE (CAS 108-94-1) Low priority
METHYL ETHYL KETONE (CAS 78-93-3) Low priority

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))
METHYL ETHYL KETONE (CAS 78-93-3)
TETRAHYDROFURAN (CAS 109-99-9)
US. Massachusetts RTK - Substance List
CYCLOHEXANONE (CAS 108-94-1)
METHYL ETHYL KETONE (CAS 78-93-3)
TETRAHYDROFURAN (CAS 109-99-9)
US. New Jersey Worker and Community Right-to-Know Act
CYCLOHEXANONE (CAS 108-94-1)
METHYL ETHYL KETONE (CAS 78-93-3)
Poly Vinyl Chloride Homopolymer (CAS 9002-86-2)
TETRAHYDROFURAN (CAS 109-99-9)
US. Pennsylvania Worker and Community Right-to-Know Law
CYCLOHEXANONE (CAS 108-94-1)
METHYL ETHYL KETONE (CAS 78-93-3)
TETRAHYDROFURAN (CAS 109-99-9)
US. Rhode Island RTK
CYCLOHEXANONE (CAS 108-94-1)
METHYL ETHYL KETONE (CAS 78-93-3)
TETRAHYDROFURAN (CAS 109-99-9)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
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</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
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<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
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</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>
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<td>Revision date</td>
<td>03-09-2018</td>
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<tr>
<td>Version #</td>
<td>04</td>
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HMIS® ratings
Health: 2*
Flammability: 3
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 3
Instability: 0

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