SAFETY DATA SHEET

1. Identification

Product identifier UNPROMOTED HI-GLOSS SOFT CLEAR P/E COATING
Other means of identification KUS KPP-177
Product code
Recommended use Industrial applications.
Recommended restrictions Professional use only

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Custom Shop
Address 6695 Rasha St.
San Diego, CA 92121
United States
Telephone Customer Service (858) 909-2110

Emergency phone number CHEMTREC (800) 424-9300

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2
Health hazards Acute toxicity, oral Category 4
Acute toxicity, inhalation 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 respiratory tract irritation
Specific target organ toxicity, repeated exposure Category 1

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 genetic defects. May cause cancer. Suspected of damaging the unborn child. Causes 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**


**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**

56.65% of the mixture consists of component(s) of unknown acute oral toxicity. 67.14% 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>STYRENE MONOMER</td>
<td>30 - &lt; 40</td>
<td>100-42-5</td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE(MEK)</td>
<td>5 - &lt; 10</td>
<td>78-93-3</td>
<td></td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC</td>
<td>1 - &lt; 3</td>
<td>64742-95-6</td>
<td></td>
</tr>
<tr>
<td>METHANOL</td>
<td>&lt; 0 .3</td>
<td>67-56-1</td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>&lt; 0 .2</td>
<td>100-41-4</td>
<td></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. 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**

Dizziness. Headache. 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. 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.
Specific hazards arising from the chemical

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.

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. Prevent entry into waterways, sewer, basements or confined areas. 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.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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. Avoid contact with eyes, skin, and 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. 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".
Conditions for safe storage, including any incompatibilities

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

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLBENZENE (CAS 100-41-4)</td>
<td>PEL</td>
<td>435 mg/m³</td>
</tr>
<tr>
<td>METHANOL (CAS 67-56-1)</td>
<td>PEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (MEK) (CAS 78-93-3)</td>
<td>PEL</td>
<td>260 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>590 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE MONOMER (CAS 100-42-5)</td>
<td>Ceiling</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLBENZENE (CAS 100-41-4)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
<tr>
<td>METHANOL (CAS 67-56-1)</td>
<td>STEL</td>
<td>250 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (MEK) (CAS 78-93-3)</td>
<td>STEL</td>
<td>300 ppm</td>
</tr>
<tr>
<td>STYRENE MONOMER (CAS 100-42-5)</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>40 ppm</td>
</tr>
<tr>
<td></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>ETHYLBENZENE (CAS 100-41-4)</td>
<td>STEL</td>
<td>545 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>125 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>435 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td>METHANOL (CAS 67-56-1)</td>
<td>STEL</td>
<td>325 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>250 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>260 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (MEK) (CAS 78-93-3)</td>
<td>STEL</td>
<td>885 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>300 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>590 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
<tr>
<td>STYRENE MONOMER (CAS 100-42-5)</td>
<td>STEL</td>
<td>425 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>215 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 ppm</td>
</tr>
</tbody>
</table>
### Biological limit values

<table>
<thead>
<tr>
<th>Biological Exposure Indices Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLBENZENE (CAS 100-41-4)</td>
<td>0.15 g/g</td>
<td>Sum of mandelic acid and phenylglyoxylic acid</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td>METHANOL (CAS 67-56-1)</td>
<td>15 mg/l</td>
<td>Methanol</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE (MEK) (CAS 78-93-3)</td>
<td>2 mg/l</td>
<td>MEK</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>STYRENE MONOMER (CAS 100-42-5)</td>
<td>400 mg/g</td>
<td>Mandelic acid plus phenylglyoxylic acid</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.2 mg/l</td>
<td>Styrene</td>
<td>Venous blood</td>
<td>*</td>
</tr>
</tbody>
</table>

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

### Exposure guidelines

**US - California OELs: Skin designation**
- METHANOL (CAS 67-56-1) Can be absorbed through the skin.
- STYRENE MONOMER (CAS 100-42-5) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**
- METHANOL (CAS 67-56-1) Skin designation applies.
- STYRENE MONOMER (CAS 100-42-5) Skin designation applies.

**US - Tennessee OELs: Skin designation**
- METHANOL (CAS 67-56-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**
- METHANOL (CAS 67-56-1) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**
- METHANOL (CAS 67-56-1) 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**
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.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td>-23.8 °F (-31 °C) estimated</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>293 °F (145 °C) estimated</td>
</tr>
<tr>
<td>Flash point</td>
<td>19.4 °F (-7.0 °C) estimated</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>16.62 hPa estimated</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>759.2 °F (404 °C) estimated</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>8.60 lbs/gal</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Flammability class</td>
<td>Flammable IB estimated</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing.</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>28 % estimated</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.03</td>
</tr>
<tr>
<td>VOC</td>
<td>2.38 lbs/gal (285.01 g/l) Coating VOC</td>
</tr>
<tr>
<td></td>
<td>2.38 lbs/gal (284.62 g/l) Material VOC</td>
</tr>
<tr>
<td></td>
<td>&lt; 2.3 lbs/gal (&lt;275 g/l) Coating VOC as applied</td>
</tr>
<tr>
<td></td>
<td>&lt; 2.3 lbs/gal (&lt;275 g/l) Material VOC as applied</td>
</tr>
</tbody>
</table>

### 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.

**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.

**Skin contact**
- Causes skin irritation.

**Eye contact**
- Causes serious eye irritation.

**Ingestion**
- Harmful if swallowed.
### Symptoms related to the physical, chemical and toxicological characteristics

- Headache.
- Dizziness.
- Severe eye irritation. 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. May cause respiratory irritation.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ETHYLBENZENE (CAS 100-41-4)</strong></td>
<td>Dermal</td>
<td>17800 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>17800 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>3500 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>METHANOL (CAS 67-56-1)</strong></td>
<td>Dermal</td>
<td>15800 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>15800 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Cat</td>
<td>85.41 mg/l, 4.5 Hours</td>
</tr>
<tr>
<td>LC50</td>
<td></td>
<td>43.68 mg/l, 6 Hours</td>
</tr>
<tr>
<td>Rat</td>
<td></td>
<td>64000 ppm, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>87.5 mg/l, 6 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Dog</td>
<td>8000 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monkey</td>
<td></td>
<td>2 g/kg</td>
</tr>
<tr>
<td>Mouse</td>
<td></td>
<td>7300 mg/kg</td>
</tr>
<tr>
<td>Rabbit</td>
<td></td>
<td>14.4 g/kg</td>
</tr>
<tr>
<td>Rat</td>
<td></td>
<td>5628 mg/kg</td>
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<tr>
<td></td>
<td>Dog</td>
<td>8000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
<td>670 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>2300 - 3500 mg/kg</td>
</tr>
<tr>
<td><strong>METHYL ETHYL KETONE(MEK) (CAS 78-93-3)</strong></td>
<td>Dermal</td>
<td>&gt; 8000 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>&gt; 8000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mouse</td>
<td>11000 ppm, 45 Minutes</td>
</tr>
<tr>
<td>LC50</td>
<td></td>
<td>11700 ppm, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Mouse</td>
<td>670 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rat</td>
<td></td>
<td>2300 - 3500 mg/kg</td>
</tr>
<tr>
<td><strong>STYRENE MONOMER (CAS 100-42-5)</strong></td>
<td>Inhalation</td>
<td>4940 ppm, 2 Hours</td>
</tr>
<tr>
<td>Acute</td>
<td>Mouse</td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td></td>
<td>4940 ppm, 2 Hours</td>
</tr>
<tr>
<td>Rat</td>
<td></td>
<td>2770 ppm, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Mouse</td>
<td>316 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rat</td>
<td></td>
<td>1 g/kg</td>
</tr>
</tbody>
</table>

* 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 mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity
- ETHYLBENZENE (CAS 100-41-4): 2B Possibly carcinogenic to humans.
- STYRENE MONOMER (CAS 100-42-5): 2B Possibly carcinogenic to humans.

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

US. National Toxicology Program (NTP) Report on Carcinogens
- STYRENE MONOMER (CAS 100-42-5): Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity: Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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>ETHYLBENZENE (CAS 100-41-4)</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)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
</tr>
<tr>
<td>METHANOL (CAS 67-56-1)</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)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE(MEK) (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)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Sheepshead minnow (Cyprinodon variegatus)</td>
</tr>
<tr>
<td>STYRENE MONOMER (CAS 100-42-5)</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)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Sheepshead minnow (Cyprinodon variegatus)</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>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLBENZENE</td>
<td>3.15</td>
</tr>
<tr>
<td>METHANOL</td>
<td>-0.77</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE(MEK)</td>
<td>0.29</td>
</tr>
<tr>
<td>STYRENE MONOMER</td>
<td>2.95</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

UN number
UN1263

UN proper shipping name
Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base

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 (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

Transport hazard class(es)
Class
3
Subsidiary risk
-

Packing group
II

Environmental hazards
Yes

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
Yes

Marine pollutant
Yes

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.
IMDG Regulated Marine Pollutant.

15. Regulatory information

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

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

CERCLA Hazardous Substance List (40 CFR 302.4)
- ETHYLBENZENE (CAS 100-41-4) Listed.
- METHANOL (CAS 67-56-1) Listed.
- METHYL ETHYL KETONE (MEK) (CAS 78-93-3) Listed.
- STYRENE MONOMER (CAS 100-42-5) Listed.

SARA 304 Emergency release notification
Not regulated.

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

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - Yes
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No
SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE MONOMER</td>
<td>100-42-5</td>
<td>30 - &lt; 40</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>&lt; 0.2</td>
</tr>
</tbody>
</table>

Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
- ETHYLBENZENE (CAS 100-41-4)
- METHANOL (CAS 67-56-1)
- STYRENE MONOMER (CAS 100-42-5)

**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 (MEK) (CAS 78-93-3) 6714
- Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
  - METHYL ETHYL KETONE (MEK) (CAS 78-93-3) 35 %WV
- DEA Exempt Chemical Mixtures Code Number
  - METHYL ETHYL KETONE (MEK) (CAS 78-93-3) 6714

**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))**
- ETHYLBENZENE (CAS 100-41-4)
- METHANOL (CAS 67-56-1)
- METHYL ETHYL KETONE (MEK) (CAS 78-93-3)
- SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (CAS 64742-95-6)
- STYRENE MONOMER (CAS 100-42-5)

**US. Massachusetts RTK - Substance List**
- ETHYLBENZENE (CAS 100-41-4)
- METHANOL (CAS 67-56-1)
- METHYL ETHYL KETONE (MEK) (CAS 78-93-3)
- STYRENE MONOMER (CAS 100-42-5)

**US. New Jersey Worker and Community Right-to-Know Act**
- ETHYLBENZENE (CAS 100-41-4)
- METHANOL (CAS 67-56-1)
- METHYL ETHYL KETONE (MEK) (CAS 78-93-3)
- STYRENE MONOMER (CAS 100-42-5)

**US. Pennsylvania Worker and Community Right-to-Know Law**
- ETHYLBENZENE (CAS 100-41-4)
- METHANOL (CAS 67-56-1)
- METHYL ETHYL KETONE (MEK) (CAS 78-93-3)
- STYRENE MONOMER (CAS 100-42-5)

**US. Rhode Island RTK**
- ETHYLBENZENE (CAS 100-41-4)
- METHANOL (CAS 67-56-1)
- METHYL ETHYL KETONE (MEK) (CAS 78-93-3)
- STYRENE MONOMER (CAS 100-42-5)

**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**
- BENZENE (CAS 71-43-2) Listed: February 27, 1987
- CUMENE (CAS 98-82-8) Listed: April 6, 2010
- ETHYLBENZENE (CAS 100-41-4) Listed: June 11, 2004

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**
- BENZENE (CAS 71-43-2) Listed: December 26, 1997

Material name: UNPROMOTED HI-GLOSS SOFT CLEAR P/E COATING
KUS KPP-177 Version #: 01 Issue date: 01-29-2016 SDS US 11 / 12
METHANOL (CAS 67-56-1) Listed: March 16, 2012
TOLUENE (CAS 108-88-3) Listed: January 1, 1991
US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
TOLUENE (CAS 108-88-3) Listed: August 7, 2009
US - California Proposition 65 - CRT: Listed date/Male reproductive toxin
BENZENE (CAS 71-43-2) Listed: December 26, 1997

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date: 01-29-2016
Version #: 01

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

NFPA ratings
   Health: 2
   Flammability: 3
   Instability: 0

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