# SAFETY DATA SHEET

## 1. Identification

**Material name:** COLOR-CRETE CURE AND SEAL- 5 GAL PAIL  
**Material:** CCUP G005 000

**Recommended use and restriction on use**
- **Recommended use:** Coatings
- **Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**
Euclid Admixture Canada Inc.  
2835 Grand-Allee  
Saint Hubert QC J4T 2R4  
CA

**Contact person:** EH&S Department  
**Telephone:** (450)465-2233  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards
- Flammable liquids Category 3

#### Health Hazards
- **Specific Target Organ Toxicity - Single Exposure** Category 3
- Acute toxicity (Inhalation - vapor) Category 4
- Skin Corrosion/Irritation Category 2
- Serious Eye Damage/Eye Irritation Category 2A
- Carcinogenicity Category 1B
- Toxic to reproduction Category 2
- Aspiration Hazard Category 1

#### Target Organs
1. Respiratory tract irritation.

#### Unknown toxicity - Health
- Acute toxicity, oral 2.3 %
- Acute toxicity, dermal 24.96 %
- Acute toxicity, inhalation, vapor 99.73 %
- Acute toxicity, inhalation, dust or mist 100 %

#### Environmental Hazards
- Chronic hazards to the aquatic environment Category 2
Acute hazards to the aquatic environment

**Category 2**

**Unknown toxicity - Environment**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute hazards to the aquatic environment</td>
<td>74.01 %</td>
</tr>
<tr>
<td>Chronic hazards to the aquatic environment</td>
<td>99.73 %</td>
</tr>
</tbody>
</table>

**Label Elements**

**Hazard Symbol:**

![Hazard Symbols]

**Signal Word:** Danger

**Hazard Statement:**
- Flammable liquid and vapor.
- Harmful if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause cancer.
- Suspected of damaging fertility or the unborn child.
- May cause respiratory irritation.
- May be fatal if swallowed and enters airways.
- Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/…] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.

**Response:**

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 eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor/… Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see
on this label). Take off contaminated clothing. In case of fire: Use… to extinguish. Collect spillage.


Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic petroleum distillates</td>
<td>64742-95-6</td>
<td>20 - &lt;50%</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>10 - &lt;25%</td>
</tr>
<tr>
<td>Trimethyl benzene (mixed isomers)</td>
<td>25551-13-7</td>
<td>10 - &lt;20%</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>108-87-8</td>
<td>5 - &lt;10%</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Cumene</td>
<td>98-82-8</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>526-73-8</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Diisodecyl phthalate</td>
<td>26761-40-0</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Styrene</td>
<td>100-42-5</td>
<td>0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Rinse mouth. Call a physician or poison control center immediately. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation: Move to fresh air.

Skin Contact: Take off immediately all contaminated clothing. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: Respiratory tract irritation. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.
Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with skin.

Conditions for safe storage, including any incompatibilities: Store locked up. Store in a well-ventilated place. Store in a cool place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>REL</td>
<td>25 ppm 125 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm 125 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm 125 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td>AN ESL</td>
<td></td>
<td>25 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)</td>
</tr>
<tr>
<td>ST ESL</td>
<td></td>
<td>140 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)</td>
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<tr>
<td>ST ESL</td>
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<td>700 µg/m³</td>
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<tr>
<td>AN ESL</td>
<td></td>
<td>125 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)</td>
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<tr>
<td>TWA PEL</td>
<td></td>
<td>25 ppm 125 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>25 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Trimethyl benzene (mixed isomers)</td>
<td></td>
<td>655 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Xylenes</td>
<td>TWA</td>
<td>25 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm 655 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>100 ppm 435 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm 655 mg/m³</td>
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<td>STEL</td>
<td>150 ppm 655 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
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<tr>
<td>Compound</td>
<td>Measurement</td>
<td>Value</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Cumene</td>
<td>TWA</td>
<td>50 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
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<tr>
<td>Cumene</td>
<td>PEL</td>
<td>50 ppm</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</td>
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<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>TWA</td>
<td>25 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Styrene</td>
<td>TWA</td>
<td>20 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>40 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
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<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td>US. OSHA Table Z-2 (29 CFR 1910.1000)</td>
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<tr>
<td></td>
<td>Ceiling</td>
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<td>US. OSHA Table Z-2 (29 CFR 1910.1000)</td>
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<tr>
<td></td>
<td>MAX. CONC</td>
<td>600 ppm</td>
<td>US. OSHA Table Z-2 (29 CFR 1910.1000)</td>
</tr>
<tr>
<td>Chemical name</td>
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<td>1,2,4-Trimethylbenzene</td>
<td>TWA</td>
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<td>Canada. Alberta OELs (Occupational Health &amp; Safety Code, Schedule 1, Table 2) (07 2009)</td>
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<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>TWA</td>
<td>25 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
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<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
</tr>
<tr>
<td>Xylene</td>
<td>TWA</td>
<td>100 ppm 434 mg/m³</td>
<td>Canada. Alberta OELs (Occupational Health &amp; Safety Code, Schedule 1, Table 2) (07 2009)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm 651 mg/m³</td>
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<td>TWA</td>
<td>100 ppm 434 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
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<tr>
<td>Cumene</td>
<td>STEL</td>
<td>75 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
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<td></td>
<td>TWA</td>
<td>25 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
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<tr>
<td>Chemical name</td>
<td>Type</td>
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<td>Source</td>
</tr>
<tr>
<td>-------------------------------</td>
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<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Cumene</td>
<td>TWA</td>
<td>50 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (2010)</td>
</tr>
<tr>
<td>Cumene</td>
<td>TWA</td>
<td>50 ppm 246 mg/m3</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (2017)</td>
</tr>
<tr>
<td>Diisodecyl phthalate</td>
<td>TWA</td>
<td>5 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (2010)</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>TWA</td>
<td>20 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (2011)</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>TWA</td>
<td>20 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (2015)</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>STEL</td>
<td>125 ppm 543 mg/m3</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (2017)</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>100 ppm 434 mg/m3</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (2017)</td>
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<td>1,2,4-Trimethylbenzene</td>
<td>TWA</td>
<td>25 ppm 123 mg/m3</td>
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<tr>
<td>Trimethyl benzene (mixed isomers)</td>
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<td>25 ppm</td>
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</tr>
<tr>
<td>Xylene</td>
<td>STEL</td>
<td>150 ppm 651 mg/m3</td>
<td>Canada. Alberta OELs (Occupational Health &amp; Safety Code, Schedule 1, Table 2) (2009)</td>
</tr>
<tr>
<td>STEL</td>
<td></td>
<td>150 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (2007)</td>
</tr>
<tr>
<td>Chemical Identity</td>
<td>Exposure Limit Values</td>
<td>Source</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------------------------</td>
<td>---------------------------------</td>
<td></td>
</tr>
<tr>
<td>Xylene (Methylhippuric acids: Sampling time: End of shift.)</td>
<td>1.5 g/g (Creatinine in urine)</td>
<td>ACGIH BEI (03 2013)</td>
<td></td>
</tr>
<tr>
<td>Styrene (styrene: Sampling time: End of shift.)</td>
<td>40 µg/l (Urine)</td>
<td>ACGIH BEI (03 2015)</td>
<td></td>
</tr>
<tr>
<td>Styrene (Mandelic acid plus phenylglyoxylic acid: Sampling time: End of shift.)</td>
<td>400 mg/g (Creatinine in urine)</td>
<td>ACGIH BEI (03 2013)</td>
<td></td>
</tr>
</tbody>
</table>
Appropriate Engineering Controls
Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. 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. Use explosion-proof ventilation equipment.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection
Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin.

9. Physical and chemical properties

Appearance
Physical state: liquid
Form: liquid
Color: Colorless
Odor: Mild petroleum/solvent
Odor threshold: No data available.
\( \text{pH: No data available.} \)
Melting point/freezing point: No data available.
Initial boiling point and boiling range: No data available.
Flash Point: 42 °C 108 °F(Setaflash Closed Cup)
Evaporation rate: Slower than Ether
Flammability (solid, gas): No

Upper/lower limit on flammability or explosive limits
Flammability limit - upper (%): 7 %(V)
Flammability limit - lower (%): 1 %(V)
**Explosive limit - upper (%):** No data available.

**Explosive limit - lower (%):** No data available.

**Vapor pressure:** No data available.

**Vapor density:** Vapors are heavier than air and may travel along the floor and in the bottom of containers.

**Relative density:** 0.9

**Solubility(ies):**
- **Solubility in water:** Practically Insoluble
- **Solubility (other):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Auto-ignition temperature:** No data available.

**Decomposition temperature:** No data available.

**Viscosity:** < 20.5 mm²/s (40 °C 104 °F)

### 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** No data available.

**Conditions to avoid:** Heat, sparks, flames.

**Incompatible Materials:** Strong acids. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong bases.

**Hazardous Decomposition Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### 11. Toxicological information

**Information on likely routes of exposure**

**Inhalation:** In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

**Skin Contact:** May be harmful in contact with skin. Causes skin irritation.

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

**Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.
Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: ATEmix: 97,276.26 mg/kg

Dermal
Product: Not classified for acute toxicity based on available data.

Specified substance(s):
Aromatic petroleum distillates LD 50 (Rabbit): > 2,000 mg/kg
1,2,4-Trimethylbenzene LD 50 (Rat): 3,440 mg/kg
Xylene LD 50 (Rabbit): 12,126 mg/kg
Cumene LD 50 (Rabbit): 10,600 mg/kg
Diisodecyl phthalate LD 50 (Rabbit): > 3,160 mg/kg
Styrene LD 50 (Rat): > 2,000 mg/kg

Inhalation
Product: ATEmix: 11.8 mg/l

Repeated dose toxicity
Product: No data available.

Skin Corrosion/Irritation
Product: No data available.

Specified substance(s):
Aromatic petroleum distillates

in vivo (Rabbit): Irritating  Experimental result, Key study

1,2,4-Trimethylbenzene

in vivo (Rabbit): Irritating  Read-across from supporting substance (structural analogue or surrogate), Key study

1,3,5-Trimethylbenzene

in vivo (Rabbit): Irritating  Experimental result, Key study

Xylene

in vivo (Rabbit): Moderate irritant  Experimental result, Weight of Evidence study

Cumene

in vivo (Rabbit): Not irritant  Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product:  No data available.

Specified substance(s):  

Aromatic petroleum distillates  Rabbit, 24 - 72 hrs: Not irritating

1,2,4-Trimethylbenzene  Rabbit, 30 min: Not irritating

1,3,5-Trimethylbenzene  Rabbit, 30 min: Not irritating

Xylene  Rabbit, 24 hrs: Moderately irritating

Cumene  Rabbit, 24 hrs: Not irritating

Styrene  Irritating

Respiratory or Skin Sensitization

Product:  No data available.

Carcinogenicity

Product:  May cause cancer. Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Cumene  Overall evaluation: Possibly carcinogenic to humans.

Styrene  Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

Cumene  Reasonably Anticipated to be a Human Carcinogen.

Styrene  Reasonably Anticipated to be a Human Carcinogen.


No carcinogenic components identified
Germ Cell Mutagenicity

**In vitro**
- Product: No data available.

**In vivo**
- Product: No data available.

Reproductive toxicity
- Product: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure
- Product: No data available.
- **Specified substance(s):**
  - Cumene: Inhalation - vapor: Category 3 with respiratory tract irritation.

Specific Target Organ Toxicity - Repeated Exposure
- Product: No data available.

**Target Organs**
- Specific Target Organ Toxicity - Single Exposure: Respiratory tract irritation.

Aspiration Hazard
- Product: May be fatal if swallowed and enters airways.

Other effects: No data available.

---

**12. Ecological information**

Ecotoxicity:

Acute hazards to the aquatic environment:

**Fish**
- Product: No data available.

**Specified substance(s):**
  - 1,2,4-Trimethylbenzene: LC 50 (Fathead minnow (Pimephales promelas), 96 h): 7.19 - 8.28 mg/l Mortality
  - Xylene: LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13.41 mg/l Mortality
  - Cumene: LC 50 (Fathead minnow (Pimephales promelas), 96 h): 6.04 - 6.61 mg/l Mortality
  - Diisodecyl phthalate: LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
  - Styrene: LC 50 (Fathead minnow (Pimephales promelas), 96 h): 29 mg/l Mortality
Aquatic Invertebrates
Product: No data available.

Specified substance(s):
Trimethyl benzene (mixed isomers) LC 50 (Daggerblade grass shrimp (Palaemonetes pugio), 24 h): 7 mg/l Mortality
Cumene LC 50 (Water flea (Daphnia magna), 48 h): 7.9 - 45.1 mg/l Mortality
Diisodecyl phthalate EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality
Styrene LC 50 (Water flea (Daphnia magna), 24 h): 255 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Specified substance(s):
Xylene Log Kow: 3.12 - 3.20
Cumene Log Kow: 3.66
Styrene Log Kow: 2.95

Mobility in soil: No data available.
Other adverse effects: Toxic to aquatic life with long lasting effects.

### 13. Disposal considerations

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

### 14. Transport information

**TDG:**

UN1866, RESIN SOLUTION, 3, PG III

**CFR / DOT:**

UN1866, Resin solution, 3, PG III

**IMDG:**

UN1866, RESIN SOLUTION, 3, PG III

**Further Information:**

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

### 15. Regulatory information

**US Federal Regulations**

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

None present or none present in regulated quantities.


None present or none present in regulated quantities.

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Cumene</td>
<td>5000 lbs.</td>
</tr>
<tr>
<td>Styrene</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Fire Hazard
- Immediate (Acute) Health Hazards
- Delayed (Chronic) Health Hazard
- Flammable (gases, aerosols, liquids, or solids)
- Acute toxicity (any route or exposure)
- Skin Corrosion or Irritation
- Serious eye damage or eye irritation
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration Hazard
Hazards Not Otherwise Classified (HNOC)

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Cumene</td>
<td>5000 lbs.</td>
</tr>
<tr>
<td>Diisodecyl phthalate</td>
<td></td>
</tr>
<tr>
<td>Styrene</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic petroleum distillates</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Trimethyl benzene (mixed isomers)</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Xylene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Cumene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Diisodecyl phthalate</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Styrene</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-Trimethylbenzene</td>
</tr>
<tr>
<td>Xylene</td>
</tr>
<tr>
<td>Cumene</td>
</tr>
<tr>
<td>Styrene</td>
</tr>
</tbody>
</table>

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Reportable quantity: lbs.</td>
</tr>
</tbody>
</table>

US State Regulations

US. California Proposition 65
This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumene</td>
<td>Carcinogenic. 09 2011</td>
</tr>
<tr>
<td>Diisodecyl phthalate</td>
<td>Developmental toxin. 09 2011</td>
</tr>
<tr>
<td>Styrene</td>
<td>Carcinogenic.</td>
</tr>
<tr>
<td>Styrene</td>
<td>Carcinogenic. 04 2016</td>
</tr>
</tbody>
</table>
US. New Jersey Worker and Community Right-to-Know Act

**Chemical Identity**
- 1,2,4-Trimethylbenzene
- Trimethyl benzene (mixed isomers)
- 1,3,5-Trimethylbenzene
- Xylene
- Cumene
- 1,2,3-Trimethylbenzene
- Styrene

US. Massachusetts RTK - Substance List

**Chemical Identity**
- 1,2,4-Trimethylbenzene
- Trimethyl benzene (mixed isomers)
- 1,3,5-Trimethylbenzene
- Xylene
- Cumene
- 1,2,3-Trimethylbenzene
- Styrene

US. Pennsylvania RTK - Hazardous Substances

**Chemical Identity**
- 1,2,4-Trimethylbenzene
- Trimethyl benzene (mixed isomers)
- 1,3,5-Trimethylbenzene
- Xylene
- Cumene
- 1,2,3-Trimethylbenzene
- Diisodecyl phthalate

US. Rhode Island RTK

**Chemical Identity**
- 1,2,4-Trimethylbenzene
- Trimethyl benzene (mixed isomers)
- 1,3,5-Trimethylbenzene
- Xylene
- Cumene
- 1,2,3-Trimethylbenzene

**International regulations**

- Montreal protocol
  - Styrene

- Stockholm convention
  - Styrene

- Rotterdam convention
  - Styrene

- Kyoto protocol
VOC:
Regulatory VOC (less water and exempt solvent) : 648 g/l
VOC Method 310 : 71.96 %

Inventory Status:
Australia AICS: All components in this product are listed on or exempt from the Inventory.
Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP: One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances: All components in this product are listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI): All components in this product are listed on or exempt from the Inventory.
Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS: All components in this product are listed on or exempt from the Inventory.
US TSCA Inventory: All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals: All components in this product are listed on or exempt from the Inventory.
Japan ISHL Listing: One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing: One or more components in this product are not listed on or exempt from the Inventory.

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

Revision Date: 07/05/2018
Version #: 6.0

Further Information: No data available.

Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.