



Issue Date 18-June-2012

Revision Date 16-December-2014

Version 1

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**  
**Product Name** Sure Seal 25 Low V.O.C.

**Other Means of Identification**  
**SDS #** CP-1528

**Recommended Use of the Chemical and Restrictions on Use**  
**Recommended Use** Coating resin

**Details of the Supplier of the Safety Data Sheet**  
**Supplier Address**

Perk Products & Chemical Co., Inc.  
42 Industry St.  
Nashville TN, 37210

**Emergency Telephone Number** Phone: 1-615-242-6157  
**Company Phone Number** Fax: 1-615-242-1276

**Emergency Telephone** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** The information below, excluding flammability, relates to repeated and prolonged exposure, particularly to the vapor form of the substance. The supplier has indicated that eye exposure normally results in eye irritation.

**Classification**

|  |             |
|--|-------------|
| Skin Corrosion/Irritation                        | Category 2  |
| Serious Eye Damage/Eye Irritation                | Category 2A |
| Germ Cell Mutagenicity                           | Category 1B |
| Carcinogenicity                                  | Category 1B |
| Specific Target Organ Toxicity (Single Exposure) | Category 3  |
| Aspiration Hazard                                | Category 1  |
| Flammable Liquids                                | Category 2  |
| Aquatic Hazard (Acute)                           | Category 2  |

**Signal Word** Danger

**Hazard Statements**

Causes skin irritation  
Causes serious eye irritation  
May cause genetic defects  
May cause cancer  
May cause respiratory irritation  
May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways  
Highly flammable liquid and vapor  
Toxic to aquatic life

**Appearance** Clear, colorless liquid**Physical State** Liquid**Odor** Moderate aromatic**Precautionary Statements -Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves, protective clothing and eye protection.

Avoid breathing fumes or vapors.

Use only outdoors or in a well-ventilated area.

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 equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid release to the environment.

**Precautionary Statements -Response**

If exposed or concerned: Get medical advice/attention.

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. Wash with plenty of soap and water. If

skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

In case of fire: Use water spray (fog), dry chemical, CO<sub>2</sub> or alcohol-resistant aqueous film-forming foam to extinguish.**Precautionary Statements -Storage**

Store locked up.

Store in a well-ventilated place. Keep cool.

Keep container tightly closed.

**Precautionary Statements -Disposal**

Dispose of contents/container to an approved waste disposal plant.

|  |
|--|
| <b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b> |
|--|

| Chemical Name                                 | CAS No     | Weight-% |
|---|------------|----------|
| Copolymer of Styrene and 2-Ethylhexylacrylate | 25153-46-2 | 25       |
| Dimethyl carbonate                            | 616-38-6   | 70       |
| Petroleum naphtha, light aromatic             | 64742-95-6 | 0-3      |
| 1,2,4-Trimethylbenzene                        | 95-63-6    | 3        |
| 1,3,5-Trimethylbenzene                        | 108-67-8   | 0-3      |
| Xylene  | 1330-20-7  | 0-2      |
| Cumene  | 98-82-8    | 0-2      |
| Styrene                                       | 100-42-5   | 0-1      |

**Note**

Light aromatic petroleum naphtha is a complex mixture of many compounds. Only its hazardous components are listed above.

\*\* If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST AID MEASURES

### First Aid Measures

|                     |   |
|---------------------|---|
| <b>General</b>      | If exposed to this product in any way outside of normal handling and if there is concern about this exposure, get medical advice or attention.  |
| <b>Inhalation</b>   | Move person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention immediately.   |
| <b>Eye Contact</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.  |
| <b>Ingestion</b>    | If swallowed, do not induce vomiting because of danger of aspirating liquid into lungs. If spontaneous vomiting occurs, keep head below hips to prevent aspiration. Monitor breathing. Never give anything by mouth to an unconscious person. Call immediately a physician or your local Poison Control Center. |
| <b>Skin Contact</b> | Thoroughly wash exposed area with plenty of soap and water while removing all contaminated clothing, including shoes. Launder contaminated clothing before reuse. Get medical attention if skin irritation develops or persists.  |

### Most Important Symptoms and Effects, both Acute and Delayed

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause dermatitis or irritation in some individuals upon prolonged contact. Eyes may have symptoms of redness, itching, irritation and watering from overexposure. Product is an aspiration hazard; if swallowed, it can enter lungs and cause damage. May cause irritation to the mucous membranes and upper respiratory tract. Prolonged breathing of vapors may cause nausea, headache, weakness and/or dizziness. |
|-----------------|--|

### Indication of any Immediate Medical Attention and Special Treatment Needed

|                           |   |
|---------------------------|---|
| <b>Note to Physicians</b> | Treat symptomatically. Treatment of overexposure should be directed toward the control of symptoms and be based on the clinical condition of the patient. |
|---------------------------|---|

## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

|                         |   |
|-------------------------|---|
| <b>Suitable Media</b>   | Dry chemical, carbon dioxide (CO <sub>2</sub> ), alcohol-resistant aqueous film-forming foam, water spray (fog) |
| <b>Unsuitable Media</b> | Straight streams or jets of water   |

### Specific Hazards Arising from the Chemical

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations distant from the material handling point. Vapors may form explosive mixtures in air. Static discharges may occur in this material.

|                                      |   |
|--------------------------------------|---|
| <b>Hazardous Combustion Products</b> | Carbon monoxide, carbon dioxide, reactive hydrocarbons, irritating vapors |
|--------------------------------------|---|

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool surrounding fire-exposed equipment, containers, tanks and structures with water spray or stream. Take precautionary measures against static discharges.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use personal protective equipment as required (see Section 8). Persons not wearing protective equipment should be excluded from the area of the spill until clean-up has been completed. Eliminate or remove all sources of ignition. Ensure adequate ventilation. Avoid breathing fumes or vapors. |
| <b>Environmental Precautions</b> | Avoid subsoil penetration. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.  |

### Methods and Material for Containment and Cleaning Up

|                                |  |
|--------------------------------|--|
| <b>Methods for Containment</b> | Ensure adequate ventilation. Stop spill at source, if safe to do. Dike area of spill to prevent spreading or entry into sewers, basements or confined areas. Pump liquid to salvage tanks or containers. Ground and bond all equipment.                              |
| <b>Methods for Cleaning Up</b> | Spillage may be taken up with non-combustible, absorbent material. Using electrically protected equipment, collect resulting material in suitable containers for disposal. Clean up and dispose of material in accordance with federal, state and local regulations. |

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

|                                |   |
|--------------------------------|---|
| <b>Advice on Safe Handling</b> | Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing fumes or vapors. Use only with adequate ventilation. Keep containers tightly closed. Keep containers upright to prevent leakage. Avoid all possible sources of ignition. Ground and bond containers when transferring material. Use non-sparking tools and explosion-proof equipment. Take precautionary measures against static discharges. |
|--------------------------------|---|

### Other Precautions

Electrostatic discharge may provide an ignition source for flammable liquids. The organic solvents in this product are considered nonconductive, and an additive is included in the formulation to increase the product's conductivity to greater than 100 picosiemens per meter. Other precautions may be required depending on specific conditions of storage and transfer. For guidance on preventing electrostatic ignition, consult NFPA 77, Recommended Practice on Static Electricity (2007), API Recommended Practice (2003), Protection Against Ignitions Arising out of Static, Lightning and Stray Currents (2008).

### Conditions for Safe Storage, Including any Incompatibilities

|                               |   |
|-------------------------------|---|
| <b>Storage Conditions</b>     | Keep containers tightly closed when not in use and store in a dry, cool and well-ventilated area. Avoid excessive temperatures.   |
| <b>Packaging Materials</b>    | Do not transfer to unmarked containers. Empty containers may retain product residue (liquid or vapor). Do not pressurize, cut or weld empty containers, and do not expose them to heat or ignition sources. |
| <b>Incompatible Materials</b> | Strong oxidizing agents, strong acids, strong bases   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                      | ACGIH TLV  | OSHA PEL   | NIOSH REL  |
|------------------------------------|--|--|--|
| 1,2,4-Trimethylbenzene<br>95-63-6  | TWA: 25 ppm<br>TWA: 123 mg/m <sup>3</sup>  | TWA: 25 ppm<br>TWA: 120 mg/m <sup>3</sup>  | TWA: 25 ppm<br>TWA: 125 mg/m <sup>3</sup>  |
| 1,3,5-Trimethylbenzene<br>108-67-8 | TWA: 25 ppm  | TWA: 25 ppm  | TWA: 25 ppm<br>TWA: 125 mg/m <sup>3</sup>  |
| Xylene<br>1330-20-7                | TWA: 100 ppm<br>TWA: 434 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 651 mg/m <sup>3</sup> | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 655 mg/m <sup>3</sup> | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 655 mg/m <sup>3</sup>                 |
| Cumene<br>98-82-8                  | TWA: 50 ppm<br>TWA: 246 mg/m <sup>3</sup>  | TWA: 50 ppm<br>TWA: 245 mg/m <sup>3</sup>  | TWA: 50 ppm<br>TWA: 245 mg/m <sup>3</sup><br>IDLH: 900 ppm   |
| Styrene<br>100-42-5                | TWA: 20 ppm<br>STEL: 40 ppm  | TWA: 100 ppm   | TWA: 50 ppm<br>TWA: 215 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 425 mg/m <sup>3</sup><br>IDLH: 700 ppm |

### Control Parameters

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

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

**Eye/Face Protection** Wear approved safety goggles. Eye-wash facilities should be readily available.

**Skin and Body Protection** Wear chemical resistant, impermeable gloves. Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. Wear appropriate breathing apparatus if air renewal is not sufficient to maintain vapor concentrations below threshold limit values.

**General Hygiene** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|                       |                         |                       |                   |
|-----------------------|-------------------------|-----------------------|-------------------|
| <b>Physical State</b> | Liquid                  | <b>Odor</b>           | Moderate aromatic |
| <b>Appearance</b>     | Clear, colorless liquid | <b>Odor Threshold</b> | Not determined    |
| <b>Color</b>          | Colorless               |                       |                   |

| <u>Property</u>              | <u>Values</u>          | <u>Remarks/Method</u> |
|------------------------------|------------------------|-----------------------|
| pH                           | Not determined         |                       |
| Melting Point/Freezing Point | Not determined         |                       |
| Boiling Point/Boiling Range  | 90 °C (194 °F)         |                       |
| Flash Point                  | 18 °C (64 °F)          | (Tag closed cup)      |
| Evaporation Rate             | Not determined         |                       |
| Flammability (Solid, Gas)    | n/a-liquid             |                       |
| Upper Flammability Limit     | Not determined         |                       |
| Lower Flammability Limit     | Not determined         |                       |
| Vapor Pressure               | 42 mm Hg               | @ 20 °C (68 °F)       |
| Density                      | 0.95 g/cm <sup>3</sup> | @ 25 °C (77 °F)       |
| Specific Gravity             | Not determined         |                       |
| Weight per Gallon            | 7.95 lbs/gal           | @ 25 °C (77 °F)       |
| Water Solubility             | Slightly soluble       |                       |
| Solubility in Other Solvents | Not determined         |                       |
| Partition Coefficient        | Not determined         |                       |
| Autoignition Temperature     | Not determined         |                       |
| Decomposition Temperature    | Not determined         |                       |
| Kinematic Viscosity          | Not determined         |                       |
| Dynamic Viscosity            | Not determined         |                       |
| Explosive Properties         | Not determined         |                       |
| Oxidizing Properties         | Not determined         |                       |
| Percent Volatile by Weight   | 49%–51%                |                       |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions

### Chemical Stability

Stable under recommended storage conditions

### Possibility of Hazardous Reactions

None under normal processing

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources.

### Incompatible Materials

Strong oxidizing agents, strong acids, strong bases

### Hazardous Decomposition Products

Carbon monoxide, carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may cause depression of the central nervous system, nausea, headache, dizziness, drowsiness or unconsciousness. |
| <b>Eye Contact</b>  | Exposure may cause serious eye irritation, including itching, burning, redness and tearing.  |
| <b>Ingestion</b>    | Ingestion may result in headache, dizziness or drowsiness. Aspiration may cause chemical pneumonitis or pulmonary edema.   |
| <b>Skin Contact</b> | Exposure causes skin irritation or drying. Prolonged exposure may cause dermatitis or skin cracking.   |

#### Component Information

| Chemical Name                                   | Oral LD50           | Dermal LD50             | Inhalation LC50                  |
|---|---------------------|-------------------------|----------------------------------|
| Petroleum naphtha, light aromatic<br>64742-95-6 | 8400 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L, 3400 ppm ( Rat ) 4 h |
| 1,2,4-Trimethylbenzene<br>95-63-6               | 5000 mg/kg ( Rat )  |                         | 18 mg/L ( Rat ) 4 h              |
| 1,3,5-Trimethylbenzene<br>108-67-8              | 5000 mg/kg ( Rat )  |                         | 24 mg/L ( Rat ) 4 h              |
| Xylene<br>1330-20-7                             | 4300 mg/kg ( Rat )  | > 1700 mg/kg ( Rabbit ) | 47.6 g/L, 5000 ppm ( Rat ) 4 h   |
| Cumene<br>98-82-8                               | 1400 mg/kg ( Rat )  | > 3160 mg/kg ( Rabbit ) | 39 mg/L ( Rat ) 4 h              |
| Styrene<br>100-42-5                             | 1000 mg/kg ( Rat )  | > 2000 mg/kg ( Rat )    | 12 mg/L ( Rat ) 4 h              |
| Dimethyl carbonate<br>616-38-6                  | 13000 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | > 140 mg/L ( Rat ) 4 h           |

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see Section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short-term and Long-term Exposure

**Mutagenicity** May cause genetic defects

**Carcinogenicity** May cause cancer

| Chemical Name       | International Agency for Research on Cancer | National Toxicology Program |
|---------------------|---|-----------------------------|
| Cumene<br>98-82-8   | Group 2B<br>Possibly carcinogenic to humans | Reasonably anticipated      |
| Styrene<br>100-42-5 | Group 2B<br>Possibly carcinogenic to humans | Reasonably anticipated      |

**STOT – Single Exposure** Product may cause respiratory irritation, drowsiness or dizziness.

**Aspiration Hazard** Product may be fatal if it is swallowed and enters airways.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Toxic to aquatic life with long-lasting effects

### **Toxicity to Fish**

| Chemical Name                     | CAS No     | Species             | LC50 (mg/L) | Exposure (Method)   |
|-----------------------------------|------------|---------------------|-------------|---------------------|
| Petroleum naphtha, light aromatic | 64742-95-6 | Oncorhynchus mykiss | 9.22        | 96 h                |
| 1,2,4-Trimethylbenzene            | 95-63-6    | Pimephales promelas | 7.72        | 96 h (flow-through) |
| 1,3,5-Trimethylbenzene            | 108-67-8   | Pimephales promelas | 3.48        | 96 h                |
| Xylene                            | 1330-20-7  | Pimephales promelas | 13.40       | 96 h (flow-through) |
|                                   |            | Pimephales promelas | 23.53–29.97 | 96 h (static)       |
|                                   |            | Oncorhynchus mykiss | 2.66–4.09   | 96 h                |
|                                   |            | Lepomis macrochirus | 19.00       | 96 h                |
|                                   |            | Lepomis macrochirus | 13.10–16.50 | 96 h (flow-through) |
|                                   |            | Lepomis macrochirus | 7.71–9.59   | 96 h (static)       |
| Cumene                            | 98-82-8    | Poecilia reticulata | 30.26–40.75 | 96 h (static)       |
|                                   |            | Pimephales promelas | 6.04–6.61   | 96 h (flow-through) |
|                                   |            | Oncorhynchus mykiss | 4.80        | 96 h (flow-through) |
|                                   |            | Oncorhynchus mykiss | 2.70        | 96 h (semi-static)  |
| Styrene                           | 100-42-5   | Poecilia reticulata | 5.10        | 96 h (semi-static)  |
|                                   |            | Pimephales promelas | 4.02        | 96 h (flow-through) |
|                                   |            | Pimephales promelas | 29.00       | 96 h (static)       |
|                                   |            | Lepomis macrochirus | 25.05       | 96 h (static)       |
| Dimethyl carbonate                | 616-38-6   | Poecilia reticulata | 58.75–95.32 | 96 h (static)       |
|                                   |            | Leuciscus idus      | 1000        | 96 h                |

### **Toxicity to Algae/Aquatic Plants, Microorganisms and Crustacea**

| Chemical Name                                   | Algae/aquatic plants EC50                        | Microorganisms EC50  | Crustacea EC50   |
|---|--|--|--|
| Petroleum naphtha, light aromatic<br>64742-95-6 | Pseudokirchneriella subcapitata<br>3.1 mg/L 72 h |  | Daphnia magna<br>6.14 mg/L 48 h                                  |
| 1,2,4-Trimethylbenzene<br>95-63-6               |  |  | Daphnia magna<br>3.60 mg/L 48 h                                  |
| 1,3,5-Trimethylbenzene<br>108-67-8              | Alga scenedesmus<br>25 mg/L 48 h                 |  | Daphnia magna<br>50 mg/L 72 h                                    |
| Xylene<br>1330-20-7                             | Pseudokirchneriella subcapitata<br>72 mg/L 14 d  | 0.0084 mg/L 24 h   | Daphnia magna 3.82 mg/L 48 h<br>Gammarus lacustris 0.6 mg/L 48 h |
| Cumene<br>98-82-8                               | Pseudokirchneriella subcapitata<br>2.6 mg/L 72 h | 0.89 mg/L 5 min<br>1.10 mg/L 15 min<br>1.48 mg/L 30 min<br>172 mg/L 24 h | Daphnia magna<br>7.9–14.1 mg/L 48 h                              |
| Styrene<br>100-42-5                             | Skeletonema costatum<br>78 mg/L 96 h             | 5.4 mg/L 5 min   | Daphnia magna<br>4.7 mg/L 48 h                                   |

### **Persistence and Degradability**

Not determined

### **Bioaccumulation**

Not determined

### **Mobility**

| Chemical Name                     | CAS No     | Partition Coefficient (log P <sub>ow</sub> ) |
|-----------------------------------|------------|--|
| Petroleum naphtha, light aromatic | 64742-95-6 | 3.42   |
| 1,2,4-Trimethylbenzene            | 95-63-6    | 3.63   |
| 1,3,5-Trimethylbenzene            | 108-67-8   | 3.42   |
| Xylene                            | 1330-20-7  | 2.77–3.15                                    |
| Cumene                            | 98-82-8    | 3.55   |
| Styrene                           | 100-42-5   | 2.95   |
| Dimethyl carbonate                | 616-38-6   | 0.23   |

### **Other Adverse Effects**

Not determined



**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable federal, state and local laws and regulations. Extra care must be taken in the incineration of this material because it is highly flammable. It is advised that a licensed professional waste disposal service be used to dispose of this material.

**Contaminated Packaging** Disposal should be in accordance with applicable federal, state and local laws and regulations.

| Chemical Name | CAS No    | RCRA Listing | RCRA – Basis for Listing       |
|---------------|-----------|--------------|--------------------------------|
| Xylene        | 1330-20-7 | U239         | Included in waste stream: F039 |
| Cumene        | 98-82-8   | U055         |                                |

**State of California** This product contains substances that are listed with the state of California as hazardous wastes.

| Chemical Name | CAS No    | California Hazardous Waste Status |
|---------------|-----------|-----------------------------------|
| Xylene        | 1330-20-7 | Toxic / Ignitable                 |
| Cumene        | 98-82-8   | Toxic / Ignitable                 |
| Styrene       | 100-42-5  | Toxic / Ignitable                 |




**14. TRANSPORT INFORMATION**

**Proper Shipping Name by Regulatory Entity**

**DOT** Flammable liquid, n. o. s. (contains light aromatic petroleum naphtha and dimethyl carbonate)

**IMDG** Flammable liquid, n. o. s. (contains light aromatic petroleum naphtha and dimethyl carbonate)

**IATA** Flammable liquid, n. o. s. (contains light aromatic petroleum naphtha and dimethyl carbonate)

| Regulatory Information | UN Number | Class | Packing Group | Label   |
|------------------------|-----------|-------|---------------|---|
| DOT Classification     | UN-1993   | 3     | II            |  |
| IMDG Classification    | UN-1993   | 3     | II            |  |
| IATA Classification    | UN-1993   | 3     | II            |  |

**Note**  
Please see current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

## 15. REGULATORY INFORMATION

### International Inventories

#### LISTED

TSCA, DSL/NDL, EINECS/ELINCS, ENCS, IECSC, KECI, PICCS, AICS

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECI - Korea Existing Chemicals Inventory*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### United States Federal Regulations

#### SARA 313

| Chemical Name          | CAS No    | Weight-% | SARA 313<br>Threshold Value % |
|------------------------|-----------|----------|-------------------------------|
| 1,2,4-Trimethylbenzene | 95-63-6   | 3-14     | 1.0                           |
| Xylene                 | 1330-20-7 | 0-2      | 1.0                           |
| Cumene                 | 98-82-8   | 0-2      | 1.0                           |
| Styrene                | 100-42-5  | 0-1      | 0.1                           |

#### CERCLA

| Chemical Name | CAS No    | Hazardous Substances Reportable Quantity (RQ) |
|---------------|-----------|---|
| Xylene        | 1330-20-7 | RQ 100 lb final RQ / RQ 45.4 kg final RQ      |
| Cumene        | 98-82-8   | RQ 5000 lb final RQ / RQ 2268 kg final RQ     |
| Styrene       | 100-42-5  | RQ 1000 lb final RQ / RQ 454 kg final RQ      |

#### Clean Water Act (CWA)

| Chemical Name | CAS No    | CWA - Reportable Quantity | CWA - Hazardous Substances |
|---------------|-----------|---------------------------|----------------------------|
| Xylene        | 1330-20-7 | 100 lb                    | Listed                     |
| Styrene       | 100-42-5  | 1000 lb                   | Listed                     |

#### SARA 311/312

Chronic health hazard, fire hazard

### United States State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemical:

| Chemical Name | CAS No  | California Proposition 65 |
|---------------|---------|---------------------------|
| Cumene        | 98-82-8 | Carcinogen                |

**United States State Right-to-Know Regulations**

| Chemical Name                      | California | Florida | Massachusetts | Minnesota | New Jersey | Pennsylvania |
|------------------------------------|------------|---------|---------------|-----------|------------|--------------|
| 1,2,4-Trimethylbenzene<br>95-63-6  |            |         | X             | X         | X          | X            |
| 1,3,5-Trimethylbenzene<br>108-67-8 |            |         | X             |           | X          | X            |
| Xylene<br>1330-20-7                | X          |         | X             | X         | X          | X            |
| Cumene<br>98-82-8                  |            |         | X             | X         | X          | X            |
| Styrene<br>100-42-5                | X          | X       | X             | X         | X          | X            |
| Dimethyl carbonate<br>616-38-6     |            | X       | X             |           | X          | X            |

**16. OTHER INFORMATION**

|             |                            |                          |                              |  |
|-------------|----------------------------|--------------------------|------------------------------|--|
| <b>NEPA</b> | <b>Health Hazards</b><br>2 | <b>Flammability</b><br>3 | <b>Instability</b><br>0      | <b>Special Hazards</b><br>Not determined     |
| <b>HMIS</b> | <b>Health Hazards</b><br>2 | <b>Flammability</b><br>3 | <b>Physical Hazards</b><br>0 | <b>Personal Protection</b><br>Not determined |

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**End of Safety Data Sheet**