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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Kerosene

### Other means of identification

UN-No. UN1223

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Kerosene

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name Sunnyside Corporation

Supplier Address 225 Carpenter Avenue  
Wheeling  
IL  
60090  
US

Supplier Phone Number Phone:8475415700  
Fax:8475419043

Supplier Email sscontact@sunnysidecorp.com

Emergency telephone number Chem Trec 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                        |             |
|------------------------|-------------|
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity        | Category 1B |



|                     |            |
|---------------------|------------|
| Aspiration toxicity | Category 1 |
| Flammable liquids   | Category 3 |

**GHS Label elements, including precautionary statements**

| Emergency Overview                                                                                                                                      |                              |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|
| <b>Signal word</b>                                                                                                                                      | <b>Danger</b>                |                      |
| <b>Hazard Statements</b><br>May cause genetic defects<br>May cause cancer<br>May be fatal if swallowed and enters airways<br>Flammable liquid and vapor |                              |                      |
|                                                                        |                              |                      |
| <b>Appearance</b> Clear                                                                                                                                 | <b>Physical state</b> Liquid | <b>Odor</b> Kerosene |

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 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

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

**Ingestion**

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

**Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

May be harmful in contact with skin

Causes mild skin irritation

Toxic to aquatic life with long lasting effects

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name | CAS No     | Weight-% | Trade Secret |
|---------------|------------|----------|--------------|
| Solvent Blend | 64742-88-7 | 60 - 100 |              |
| Pseudocumene  | 95-63-6    | 1 - 5    |              |
| Nonane        | 111-84-2   | 1 - 5    |              |
| Naphthalene   | 91-20-3    | 0.1 - 1  |              |
| Ethylbenzene  | 100-41-4   | 0.1 - 1  |              |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures****General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.

**Ingestion**

Aspiration hazard if swallowed - can enter lungs and cause damage. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.



**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Use water spray or fog; do not use straight streams.

**Unsuitable extinguishing media**

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

Some may be transported hot.

**Uniform Fire Code** Combustible Liquid: II

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

**Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. See section 8 for more information. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

#### Other Information

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental precautions

#### Environmental precautions

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

### Methods and material for containment and cleaning up

#### Methods for containment

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

#### Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

### Conditions for safe storage, including any incompatibilities

#### Storage

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Keep out of the reach of children. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

#### Incompatible Products

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



**Control parameters****Exposure Guidelines**

| Chemical Name            | ACGIH TLV         | OSHA PEL                                                                                                                                                                         | NIOSH IDLH                                                                                                  |
|--------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Pseudocumene<br>95-63-6  | -                 | -                                                                                                                                                                                | TWA: 25 ppm<br>TWA: 125 mg/m <sup>3</sup>                                                                   |
| Nonane<br>111-84-2       | TWA: 200 ppm      | (vacated) TWA: 200 ppm<br>(vacated) TWA: 1050 mg/m <sup>3</sup>                                                                                                                  | TWA: 200 ppm<br>TWA: 1050 mg/m <sup>3</sup>                                                                 |
| Naphthalene<br>91-20-3   | TWA: 10 ppm<br>S* | TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 50 mg/m <sup>3</sup><br>(vacated) STEL: 15 ppm<br>(vacated) STEL: 75 mg/m <sup>3</sup>       | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 75 mg/m <sup>3</sup>     |
| Ethylbenzene<br>100-41-4 | TWA: 20 ppm       | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m <sup>3</sup><br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m <sup>3</sup> | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>STEL: 125 ppm<br>STEL: 545 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

**Appropriate engineering controls****Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tight sealing safety goggles.

**Skin and body protection**

Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties**

|                          |                          |                |                          |
|--------------------------|--------------------------|----------------|--------------------------|
| Physical state           | Liquid                   | Odor           | Kerosene                 |
| Appearance               | Clear                    | Odor Threshold | No information available |
| Color                    | No information available |                |                          |
| <b>Property</b>          | <b>Values</b>            | <b>Remarks</b> | <b>Method</b>            |
| pH                       | UNKNOWN                  | None known     |                          |
| Melting / freezing point | No data available        | None known     |                          |



|                                        |                   |            |
|----------------------------------------|-------------------|------------|
| Boiling point / boiling range          | No data available | None known |
| Flash Point                            | 39 C / 102 F      | None known |
| Evaporation Rate                       | No data available | None known |
| Flammability (solid, gas)              | No data available | None known |
| Flammability Limit in Air              |                   |            |
| Upper flammability limit               | No data available |            |
| Lower flammability limit               | No data available |            |
| Vapor pressure                         | No data available | None known |
| Vapor density                          | No data available | None known |
| Specific Gravity                       | No data available | None known |
| Water Solubility                       | Negligible        | None known |
| Solubility in other solvents           | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition temperature               | No data available | None known |
| Decomposition temperature              | No data available | None known |
| Kinematic viscosity                    | No data available | None known |
| Dynamic viscosity                      | No data available | None known |
| Explosive properties                   | No data available |            |
| Oxidizing properties                   | No data available |            |

**Other Information**

|                            |                   |
|----------------------------|-------------------|
| Softening Point            | No data available |
| VOC Content (%)            | No data available |
| Particle Size              | No data available |
| Particle Size Distribution |                   |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**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**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

Specific test data for the substance or mixture is not available.

**Inhalation**

Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

**Eye contact**

Specific test data for the substance or mixture is not available. May cause irritation.

**Skin contact** Repeated exposure may cause skin dryness or cracking.

**Ingestion** Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

### Component Information

| Chemical Name               | Oral LD50            | Dermal LD50              | Inhalation LC50                     |
|-----------------------------|----------------------|--------------------------|-------------------------------------|
| Solvent Blend<br>64742-88-7 | > 5000 mg/kg ( Rat ) | = 3000 mg/kg ( Rabbit )  | > 5.28 mg/L ( Rat ) 4 h             |
| Pseudocumene<br>95-63-6     | = 3400 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit )  | = 18 g/m <sup>3</sup> ( Rat ) 4 h   |
| Nonane<br>111-84-2          | -                    | -                        | = 3200 ppm ( Rat ) 4 h              |
| Naphthalene<br>91-20-3      | -                    | > 20 g/kg ( Rabbit )     | > 340 mg/m <sup>3</sup> ( Rat ) 1 h |
| Ethylbenzene<br>100-41-4    | = 3500 mg/kg ( Rat ) | = 15354 mg/kg ( Rabbit ) | = 17.2 mg/L ( Rat ) 4 h             |

### Information on toxicological effects

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Asthma-like and/ or skin allergy-like symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** There is no data available for this product. Contains a known or suspected mutagen.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name            | ACGIH | IARC     | NTP                    | OSHA |
|--------------------------|-------|----------|------------------------|------|
| Naphthalene<br>91-20-3   | A3    | Group 2B | Reasonably Anticipated | X    |
| Ethylbenzene<br>100-41-4 | A3    | Group 2B |                        | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No known effect based on information supplied. Contains a known or suspected mutagen. Possible risk of irreversible effects. Contains a known or suspected carcinogen. Aspiration may cause pulmonary edema and pneumonitis. May cause adverse effects on the bone marrow and blood-forming system.

**Target Organ Effects**

May affect the genetic material in germ cells (sperm and eggs). Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Blood. Central Nervous System (CNS). Lungs. Liver. Kidney. Thyroid. Central Vascular System (CVS). Testes.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (dermal)**

3,000.00 mg/kg (ATE)

**ATEmix (inhalation-dust/mist)**

150.00 mg/l

**ATEmix (inhalation-vapor)**

664.00 ATEmix

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

| Chemical Name               | Toxicity to Algae                                                                                                                                                                                                                                         | Toxicity to Fish                                                                                                                                                                                                                                                                                        | Toxicity to Microorganisms                     | Daphnia Magna (Water Flea)                                                  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------|
| Solvent Blend<br>64742-88-7 | 96h EC50: = 450 mg/L<br>(Pseudokirchneriella subcapitata)                                                                                                                                                                                                 | 96h LC50: = 800 mg/L<br>(Pimephales promelas)                                                                                                                                                                                                                                                           |                                                | 48h EC50: > 100 mg/L                                                        |
| Pseudocumene<br>95-63-6     |                                                                                                                                                                                                                                                           | 96h LC50: 7.19 - 8.28 mg/L<br>(Pimephales promelas)                                                                                                                                                                                                                                                     |                                                | 48h EC50: = 6.14 mg/L                                                       |
| Naphthalene<br>91-20-3      | 72h EC50: = 0.4 mg/L<br>(Skeletonema costatum)                                                                                                                                                                                                            | 96h LC50: 5.74 - 6.44 mg/L<br>(Pimephales promelas) 96h<br>LC50: = 1.6 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: = 0.91 - 2.82 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: = 1.99 mg/L<br>(Pimephales promelas) 96h<br>LC50: = 31.0265 mg/L<br>(Lepomis macrochirus)                                    | EC50 = 0.93 mg/L 30 min<br>EC50 > 20 mg/L 18 h | 48h LC50: = 2.16 mg/L 48h<br>EC50: = 1.96 mg/L 48h<br>EC50: 1.09 - 3.4 mg/L |
| Ethylbenzene<br>100-41-4    | 72h EC50: = 4.6 mg/L<br>(Pseudokirchneriella subcapitata) 96h EC50: ><br>438 mg/L<br>(Pseudokirchneriella subcapitata) 72h EC50: 2.6<br>- 11.3 mg/L<br>(Pseudokirchneriella subcapitata) 96h EC50: 1.7<br>- 7.6 mg/L<br>(Pseudokirchneriella subcapitata) | 96h LC50: 11.0 - 18.0 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: = 4.2 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: 7.55 - 11 mg/L<br>(Pimephales promelas) 96h<br>LC50: = 32 mg/L (Lepomis macrochirus) 96h LC50: 9.1<br>- 15.6 mg/L (Pimephales promelas) 96h LC50: = 9.6<br>mg/L (Poecilia reticulata) | EC50 = 9.68 mg/L 30 min<br>EC50 = 96 mg/L 24 h | 48h EC50: 1.8 - 2.4 mg/L                                                    |

### Persistence and Degradability

No information available.

### Bioaccumulation

| Chemical Name            | Log Pow |
|--------------------------|---------|
| Pseudocumene<br>95-63-6  | 3.63    |
| Naphthalene<br>91-20-3   | 3.3     |
| Ethylbenzene<br>100-41-4 | 3.118   |

### Other adverse effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D001

| Chemical Name            | RCRA | RCRA - Basis for Listing                                                                 | RCRA - D Series Wastes | RCRA - U Series Wastes |
|--------------------------|------|------------------------------------------------------------------------------------------|------------------------|------------------------|
| Naphthalene<br>91-20-3   | U165 | Included in waste streams:<br>F024, F025, F034, F039,<br>K001, K035, K060, K087,<br>K145 |                        | U165                   |
| Ethylbenzene<br>100-41-4 |      | Included in waste stream:<br>F039                                                        |                        |                        |

| Chemical Name          | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RCRA - K Series Wastes |
|------------------------|--------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Naphthalene<br>91-20-3 |                                      |                        | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent<br>filters and filter aids, and<br>spent desiccant wastes from<br>the production of certain<br>chlorinated aliphatic<br>hydrocarbons, by free<br>radical catalyzed processes.<br>These chlorinated aliphatic<br>hydrocarbons are those<br>having carbon chain lengths<br>ranging from one to and<br>including five, with varying<br>amounts and positions of<br>chlorine substitution. |                        |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name            | California Hazardous Waste |
|--------------------------|----------------------------|
| Pseudocumene<br>95-63-6  | Toxic                      |
| Naphthalene<br>91-20-3   | Toxic                      |
| Ethylbenzene<br>100-41-4 | Toxic<br>Ignitable         |

### 14. TRANSPORT INFORMATION

#### DOT

**UN-No.** UN1223  
**Proper Shipping Name** KEROSENE  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1223, KEROSENE, 3, III  
**Emergency Response Guide Number** 128  
**Additional Information** NOT REGULATED (If shipped in NON BULK packaging by ground transport)



**TDG**

|                      |                                            |
|----------------------|--------------------------------------------|
| UN-No.               | UN1223                                     |
| Proper Shipping Name | KEROSENE                                   |
| Hazard Class         | 3                                          |
| Packing Group        | III                                        |
| Description          | UN1223, KEROSENE, 3, III, MARINE POLLUTANT |

**MEX**

|                      |                          |
|----------------------|--------------------------|
| UN-No.               | UN1223                   |
| Proper Shipping Name | KEROSENE                 |
| Hazard Class         | 3                        |
| Packing Group        | III                      |
| Description          | UN1223, KEROSENE, 3, III |

**ICAO**

|                      |                          |
|----------------------|--------------------------|
| UN-No.               | UN1223                   |
| Proper Shipping Name | KEROSENE                 |
| Hazard Class         | 3                        |
| Packing Group        | III                      |
| Description          | UN1223, KEROSENE, 3, III |

**IATA**

|                      |                          |
|----------------------|--------------------------|
| UN-No.               | UN1223                   |
| Proper Shipping Name | KEROSENE                 |
| Hazard Class         | 3                        |
| Packing Group        | III                      |
| Description          | UN1223, KEROSENE, 3, III |

**IMDG/IMO**

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| UN-No.               | UN1223                                                                  |
| Proper Shipping Name | KEROSENE                                                                |
| Hazard Class         | 3                                                                       |
| Packing Group        | III                                                                     |
| EmS-No.              | F-E, S-E                                                                |
| Marine Pollutant     | Product is a marine pollutant according to the criteria set by IMDG/IMO |
| Description          | UN1223, KEROSENE, 3, III, (39°C C.C.), MARINE POLLUTANT                 |

**RID**

|                      |                          |
|----------------------|--------------------------|
| UN-No.               | UN1223                   |
| Proper Shipping Name | KEROSENE                 |
| Hazard Class         | 3                        |
| Packing Group        | III                      |
| Classification code  | F1                       |
| Description          | UN1223, KEROSENE, 3, III |

**ADR**

|                         |                          |
|-------------------------|--------------------------|
| UN-No.                  | UN1223                   |
| Proper Shipping Name    | KEROSENE                 |
| Hazard Class            | 3                        |
| Packing Group           | III                      |
| Classification code     | F1                       |
| Tunnel restriction code | (D/E)                    |
| Description             | UN1223, KEROSENE, 3, III |

**ADN**

|                      |          |
|----------------------|----------|
| UN-No.               | UN1223   |
| Proper Shipping Name | KEROSENE |
| Hazard Class         | 3        |
| Packing Group        | III      |
| Classification code  | F1       |

|                    |                          |
|--------------------|--------------------------|
| Special Provisions | 363                      |
| Description        | UN1223, KEROSENE, 3, III |
| Hazard Labels      | 3                        |
| Limited Quantity   | 5 L                      |
| Ventilation        | VE01                     |

## 15. REGULATORY INFORMATION

### International Inventories

|       |                                                      |
|-------|------------------------------------------------------|
| TSCA  | Complies                                             |
| DSL   | All components are listed either on the DSL or NDSL. |
| IECSC | -                                                    |

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

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name           | CAS No   | Weight-% | SARA 313 - Threshold Values % |
|-------------------------|----------|----------|-------------------------------|
| Pseudocumene - 95-63-6  | 95-63-6  | 1 - 5    | 1.0                           |
| Naphthalene - 91-20-3   | 91-20-3  | 0.1 - 1  | 0.1                           |
| Ethylbenzene - 100-41-4 | 100-41-4 | 0.1 - 1  | 0.1                           |

#### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name            | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Naphthalene<br>91-20-3   | 100 lb                      | X                      | X                         | X                          |
| Ethylbenzene<br>100-41-4 | 1000 lb                     | X                      | X                         | X                          |

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name            | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                                                                |
|--------------------------|--------------------------|------------------------------------|-------------------------------------------------------------------|
| Naphthalene<br>91-20-3   | 100 lb                   |                                    | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ<br>RQ 0.454 kg final RQ |
| Ethylbenzene<br>100-41-4 | 1000 lb                  |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ                         |

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.



| Chemical Name           | California Proposition 65 |
|-------------------------|---------------------------|
| Ethylbenzene - 100-41-4 | Carcinogen                |
| Naphthalene - 91-20-3   | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name               | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-----------------------------|------------|---------------|--------------|--------------|----------|
| Solvent Blend<br>64742-88-7 | X          |               |              |              |          |
| Nonane<br>111-84-2          | X          | X             | X            |              |          |
| Pseudocumene<br>95-63-6     | X          | X             | X            | X            | X        |
| Ethylbenzene<br>100-41-4    | X          | X             | X            | X            | X        |
| Naphthalene<br>91-20-3      | X          | X             | X            | X            | X        |

**International Regulations****Mexico****National occupational exposure limits**

| Component                            | Carcinogen Status | Exposure Limits                                                                                                          |
|--------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------|
| Pseudocumene<br>95-63-6 ( 1 - 5 )    |                   | Mexico: TWA 25 ppm<br>Mexico: TWA 125 mg/m <sup>3</sup><br>Mexico: STEL 35 ppm<br>Mexico: STEL 170 mg/m <sup>3</sup>     |
| Nonane<br>111-84-2 ( 1 - 5 )         |                   | Mexico: TWA 200 ppm<br>Mexico: TWA 1050 mg/m <sup>3</sup><br>Mexico: STEL 250 ppm<br>Mexico: STEL 1300 mg/m <sup>3</sup> |
| Naphthalene<br>91-20-3 ( 0.1 - 1 )   |                   | Mexico: TWA 10 ppm<br>Mexico: TWA 50 mg/m <sup>3</sup><br>Mexico: STEL 15 ppm<br>Mexico: STEL 75 mg/m <sup>3</sup>       |
| Ethylbenzene<br>100-41-4 ( 0.1 - 1 ) |                   | Mexico: TWA 100 ppm<br>Mexico: TWA 435 mg/m <sup>3</sup><br>Mexico: STEL 125 ppm<br>Mexico: STEL 545 mg/m <sup>3</sup>   |

*Mexico - Occupational Exposure Limits - Carcinogens***Canada****WHMIS Hazard Class**

B3 - Combustible liquid

D2A - Very toxic materials

**16. OTHER INFORMATION**

|      |                   |                |                   |                                 |
|------|-------------------|----------------|-------------------|---------------------------------|
| NFPA | Health Hazards 2  | Flammability 2 | Instability 0     | Physical and Chemical Hazards - |
| HMIS | Health Hazards 2* | Flammability 2 | Physical Hazard 0 | Personal Protection X           |

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
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| <b>Revision Note</b> | No information available                                                               |

**Disclaimer**

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**End of Safety Data Sheet**