# SAFETY DATA SHEET

Product Number: 709 **Revision Date** 29-May-2015 **Revision Number** 1



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

**Product identifier**

**Product Name** **Brush Cleaner**

**Other means of identification**

**UN-No.** UN1992

**Synonyms** None

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

**Recommended Use** Solvent mixture

**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**

**Company Emergency Phone 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).

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|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

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|---|---|
| Carcinogenicity | Category 1B |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 2 |

**GHS Label elements, including precautionary statements**

**Emergency Overview**

**Signal word** **Danger**

**Hazard Statements**
Causes skin irritation
Causes serious eye damage
May cause cancer
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

**Appearance** Clear to yellow **Physical state** Liquid **Odor** Petroleum distillates

**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
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
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
Specific treatment (see supplemental first aid instructions on this label)

**Eyes**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

**Skin**
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse

**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 if swallowed
May be harmful in contact with skin
Harmful to aquatic life with long lasting effects
Toxic to aquatic life
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

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| Chemical Name | CAS No | Weight-% | Trade Secret |
|---|---|---|---|
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | 15 - 40 | |
| Xylene, mixed isomers | 1330-20-7 | 10 - 30 | |
| Methylene chloride | 75-09-2 | 10 - 30 | |
| Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- | 9036-19-5 | 7 - 13 | |
| Methyl ethyl ketone | 78-93-3 | 5 - 10 | |
| Ethyl alcohol | 64-17-5 | 5 - 10 | |
| Ethylbenzene | 100-41-4 | 3 - 7 | |

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

## 4. FIRST AID MEASURES

**First aid measures**

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

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15

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| | minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Seek immediate medical attention/advice. |
| **Skin contact** | Get medical attention if irritation develops and persists. 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. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. |
| **Ingestion** | Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. 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. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. |

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

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

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

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| **Notes to Physician** | Treat symptomatically. |

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

**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**
Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

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|---|---|
| **Uniform Fire Code** | Irritant: Liquid<br>Flammable Liquid: I-B |

**Hazardous Combustion Products**
Carbon oxides.

**Explosion Data**

| | |
|---|---|
| **Sensitivity to Mechanical Impact** | No. |
| **Sensitivity to Static Discharge** | Yes. |

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

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| **Personal precautions** | ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Stop leak if you can do it without risk. |
| **Other Information** | Water spray may reduce vapor; but may not prevent ignition in closed spaces. |

**Environmental precautions**

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|---|---|
| **Environmental precautions** | Prevent entry into waterways, sewers, basements or confined areas. |

**Methods and material for containment and cleaning up**

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|---|---|
| **Methods for containment** | A vapor suppressing foam may be used to reduce vapors. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. |
| **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**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from moisture. 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**

Strong acids. Strong oxidizing agents. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Xylene, mixed isomers<br>1330-20-7 | STEL: 150 ppm<br>TWA: 100 ppm | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m³<br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 655 mg/m³ | |
| Methylene chloride<br>75-09-2 | TWA: 50 ppm | TWA: 25 ppm<br>Action Level: 12.5 ppm See 29 CFR 1910.1052<br>(vacated) TWA: 500 ppm<br>(vacated) STEL: 2000 ppm 5 min in any 3 h<br>(vacated) Ceiling: 1000 ppm<br>STEL: 125 ppm see 29 CFR 1910.1052 | IDLH: 2300 ppm |
| Methyl ethyl ketone<br>78-93-3 | STEL: 300 ppm<br>TWA: 200 ppm | TWA: 200 ppm<br>TWA: 590 mg/m³<br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 590 mg/m³<br>(vacated) STEL: 300 ppm<br>(vacated) STEL: 885 mg/m³ | IDLH: 3000 ppm<br>TWA: 200 ppm<br>TWA: 590 mg/m³<br>STEL: 300 ppm<br>STEL: 885 mg/m³ |
| Ethyl alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m³<br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m³ | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m³ |
| Ethylbenzene<br>100-41-4 | TWA: 20 ppm | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m³ |

| | | | |
|---|---|---|---|
| | | (vacated) TWA: 435 mg/m³<br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m³ | STEL: 125 ppm<br>STEL: 545 mg/m³ |

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits 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. Impervious gloves. Chemical resistant apron. 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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. 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 | | |
| **Appearance** | Clear to yellow | **Odor** | Petroleum distillates |
| **Color** | No information available | **Odor Threshold** | No information available |

| **Property** | **Values** | **Remarks Method** |
|---|---|---|
| **pH** | UNKNOWN | None known |
| **Melting / freezing point** | No data available | None known |
| **Boiling point / boiling range** | 40 °C / 104 °F | None known |
| **Flash Point** | 3 C / 37 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** | .8973 | None known |
| **Water Solubility** | Moderately soluble | 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**
Strong acids. Strong oxidizing agents. Strong bases.
**Hazardous Decomposition Products**
Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** .

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

**Eye contact** Specific test data for the substance or mixture is not available. (based on components). Causes serious eye damage. Severely irritating to eyes. May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 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 naphtha (petroleum), | > 5000 mg/kg ( Rat ) | = 3000 mg/kg ( Rabbit ) | > 5.28 mg/L ( Rat ) 4 h |

| | | | |
|---|---|---|---|
| medium aliphatic<br>64742-88-7 | | | |
| Xylene, mixed isomers<br>1330-20-7 | = 4300 mg/kg ( Rat ) | > 1700 mg/kg ( Rabbit ) | = 47635 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h |
| Methylene chloride<br>75-09-2 | > 2000 mg/kg ( Rat ) | - | - |
| Methyl ethyl ketone<br>78-93-3 | - | - | = 23500 mg/m³ ( Rat ) 8 h |
| Ethyl alcohol<br>64-17-5 | - | - | = 124.7 mg/L ( Rat ) 4 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** Erythema (skin redness). May cause redness and tearing of the eyes. May cause blindness. Burning. 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** No information available.

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

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Xylene, mixed isomers<br>1330-20-7 | | Group 3 | | |
| Methylene chloride<br>75-09-2 | A3 | Group 2A<br>Group 2B | Reasonably Anticipated | X |
| Ethyl alcohol<br>64-17-5 | A3 | Group 1 | Known | 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 1 - Carcinogenic to Humans*
*Group 2A - Probably Carcinogenic to Humans*
*Group 2B - Possibly Carcinogenic to Humans*
*Group 3 - Not Classifiable as to Carcinogenicity in Humans*
*NTP (National Toxicology Program)*
*Known - Known Carcinogen*
*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** Causes damage to organs through prolonged or repeated exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from chronic or repeated exposure. (STOT RE).

**Chronic Toxicity** No known effect based on information supplied. Contains a known or suspected carcinogen. Aspiration may cause pulmonary edema and pneumonitis. Avoid repeated exposure. Prolonged exposure may cause chronic effects. May cause adverse effects on

| | |
|---|---|
| | the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. |
| **Target Organ Effects** | Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Blood. Central Nervous System (CNS). Central Vascular System (CVS). Liver. Lungs. Reproductive System. Endocrine system. Kidney. Thyroid. 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 (oral)**
3,715.00 mg/kg
**ATEmix (dermal)**
3,709.00 mg/kg (ATE)
**ATEmix (inhalation-dust/mist)**
7.00 mg/l
**ATEmix (inhalation-vapor)**
55.00 ATEmix

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic organisms. Harmful to aquatic life with long lasting effects.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|---|---|---|---|
| Solvent naphtha (petroleum), medium aliphatic 64742-88-7 | 96h EC50: = 450 mg/L (Pseudokirchneriella subcapitata) | 96h LC50: = 800 mg/L (Pimephales promelas) | | 48h EC50: > 100 mg/L |
| Xylene, mixed isomers 1330-20-7 | | 96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: = 780 mg/L (Cyprinus carpio) 96h LC50: > 780 mg/L (Cyprinus carpio) 96h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata) | | 48h EC50: = 3.82 mg/L 48h LC50: = 0.6 mg/L |
| Methylene chloride 75-09-2 | 96h EC50: > 500 mg/L (Pseudokirchneriella subcapitata) 72h EC50: > 500 mg/L (Pseudokirchneriella subcapitata) | 96h LC50: 140.8 - 277.8 mg/L (Pimephales promelas) 96h LC50: = 193 mg/L (Lepomis macrochirus) 96h LC50: 262 - 855 mg/L (Pimephales promelas) | EC50 = 1 mg/L 24 h EC50 = 2.88 mg/L 15 min | 48h EC50: 1532 - 1847 mg/L 48h EC50: = 190 mg/L |
| Methyl ethyl ketone 78-93-3 | | 96h LC50: 3130 - 3320 mg/L (Pimephales promelas) | EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min | 48h EC50: = 5091 mg/L 48h EC50: 4025 - 6440 mg/L 48h EC50: > 520 mg/L |
| Ethyl alcohol 64-17-5 | | 96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas) 96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) | EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min | 48h LC50: 9268 - 14221 mg/L 48h EC50: = 2 mg/L 24h EC50: = 10800 mg/L |
| Ethylbenzene 100-41-4 | 72h EC50: = 4.6 mg/L (Pseudokirchneriella subcapitata) 96h EC50: > 438 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata) | 96h LC50: 11.0 - 18.0 mg/L (Oncorhynchus mykiss) 96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: 7.55 - 11 mg/L (Pimephales promelas) 96h LC50: = 32 mg/L (Lepomis macrochirus) 96h LC50: 9.1 - 15.6 mg/L (Pimephales promelas) 96h LC50: = 9.6 mg/L (Poecilia reticulata) | EC50 = 9.68 mg/L 30 min 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 |
|---|---|
| Xylene, mixed isomers<br>1330-20-7 | 3.15 |
| Methylene chloride<br>75-09-2 | 1.25 |
| Methyl ethyl ketone<br>78-93-3 | 0.29 |
| Ethyl alcohol<br>64-17-5 | -0.32 |
| 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 D035 U239 U080 U159

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|---|---|---|---|
| Xylene, mixed isomers<br>1330-20-7 | | Included in waste stream:<br>F039 | | U239 |
| Methylene chloride<br>75-09-2 | waste number U080 | | | U080 |
| Methyl ethyl ketone<br>78-93-3 | waste number U159 | Included in waste streams:<br>F005, F039 | = 200.0 mg/L regulatory level | U159 |
| Ethylbenzene<br>100-41-4 | | Included in waste stream:<br>F039 | | |

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

| Chemical Name | California Hazardous Waste |
|---|---|
| Xylene, mixed isomers<br>1330-20-7 | Toxic<br>Ignitable |
| Methylene chloride<br>75-09-2 | Toxic |
| Methyl ethyl ketone<br>78-93-3 | Toxic<br>Ignitable |
| Ethyl alcohol<br>64-17-5 | Toxic<br>Ignitable |
| Ethylbenzene<br>100-41-4 | Toxic<br>Ignitable |

## 14. TRANSPORT INFORMATION

**DOT**

**UN-No.** UN1992
**Proper Shipping Name** FLAMMABLE LIQUIDS, TOXIC, N.O.S.
**Hazard Class** 3
**Subsidiary class** 6.1

| | |
|---|---|
| **Packing Group** | II |
| **Description** | UN1992, FLAMMABLE LIQUIDS, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |
| **Emergency Response Guide Number** | 131 |

**TDG**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Subsidiary class** | 6.1 |
| **Packing Group** | II |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II, MARINE POLLUTANT |

**MEX**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Subsidiary class** | 6.1 |
| **Packing Group** | II |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |

**ICAO**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Subsidiary class** | 6.1 |
| **Packing Group** | II |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |

**IATA**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Subsidiary class** | 6.1 |
| **Packing Group** | II |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |

**IMDG/IMO**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Subsidiary class** | 6.1 |
| **Packing Group** | II |
| **EmS-No.** | F-E, S-D |
| **Marine Pollutant** | Product is a marine pollutant according to the criteria set by IMDG/IMO |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II, (3°C C.C.), MARINE POLLUTANT |

**RID**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Packing Group** | II |
| **Classification code** | FT1 |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |
| **ADR/RID-Labels** | 6.1 |

**ADR**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Packing Group** | II |
| **Classification code** | FT1 |
| **Tunnel restriction code** | (D/E) |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |
| **ADR/RID-Labels** | 3 6.1 |

**ADN**

| | |
|---|---|
| **UN-No.** | UN1992 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| **Hazard Class** | 3 |
| **Packing Group** | II |
| **Classification code** | FT1 |
| **Special Provisions** | 274, 802 |
| **Description** | UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC, XYLENE, MIXED ISOMERS, POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-.OMEGA.-HYDROXY-), 3 (6.1), II |
| **Hazard Labels** | 3 + 6.1 |
| **Limited Quantity** | 1 L |
| **Ventilation** | VE01, VE02 |

## 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 % |
|---|---|---|---|
| Xylene, mixed isomers - 1330-20-7 | 1330-20-7 | 10 - 30 | 1.0 |
| Methylene chloride - 75-09-2 | 75-09-2 | 10 - 30 | 0.1 |
| Ethylbenzene - 100-41-4 | 100-41-4 | 3 - 7 | 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 |
|---|---|---|---|---|
| Xylene, mixed isomers<br>1330-20-7 | 100 lb | | | X |
| Methylene chloride<br>75-09-2 | | 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 |
|---|---|---|---|
| Xylene, mixed isomers<br>1330-20-7 | 100 lb | | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |
| Methyl ethyl ketone<br>78-93-3 | 5000 lb | | RQ 5000 lb final RQ<br>RQ 2270 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 |
|---|---|
| Methylene chloride - 75-09-2 | Carcinogen |
| Ethyl alcohol - 64-17-5 | Carcinogen<br>Developmental |
| Ethylbenzene - 100-41-4 | Carcinogen |

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

.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---|---|---|---|---|---|
| Solvent naphtha (petroleum), medium aliphatic<br>64742-88-7 | X | | | | |
| Methylene chloride<br>75-09-2 | X | X | X | X | X |
| Xylene, mixed isomers<br>1330-20-7 | X | X | X | X | X |
| Methyl ethyl ketone<br>78-93-3 | X | X | X | X | X |
| Ethyl alcohol<br>64-17-5 | | X | | | |
| Ethylbenzene<br>100-41-4 | X | X | X | X | X |

## International Regulations

**Mexico**

### National occupational exposure limits

| Component | Carcinogen Status | Exposure Limits |
|---|---|---|
| Xylene, mixed isomers<br>1330-20-7 ( 10 - 30 ) | | Mexico: TWA 100 ppm<br>Mexico: TWA 435 mg/m³<br>Mexico: STEL 150 ppm<br>Mexico: STEL 655 mg/m³ |
| Methylene chloride<br>75-09-2 ( 10 - 30 ) | A3 | Mexico: TWA 100 ppm<br>Mexico: TWA 330 mg/m³<br>Mexico: STEL 500 ppm<br>Mexico: STEL 1740 mg/m³ |
| Methyl ethyl ketone<br>78-93-3 ( 5 - 10 ) | | Mexico: TWA= 590 mg/m³<br>Mexico: TWA= 200 ppm<br>Mexico: STEL= 885 mg/m³<br>Mexico: STEL= 300 ppm |
| Ethyl alcohol<br>64-17-5 ( 5 - 10 ) | | Mexico: TWA 1000 ppm<br>Mexico: TWA 1900 mg/m³ |
| Ethylbenzene<br>100-41-4 ( 3 - 7 ) | | Mexico: TWA 100 ppm<br>Mexico: TWA 435 mg/m³<br>Mexico: STEL 125 ppm<br>Mexico: STEL 545 mg/m³ |

*Mexico - Occupational Exposure Limits - Carcinogens*
*A3 - Confirmed Animal Carcinogen*

**Canada**
**WHMIS Hazard Class**
Not determined

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** 3 | **Flammability** 3 | **Instability** 0 | **Physical and Chemical Hazards** - |
| **HMIS** | **Health Hazards** 3 * | **Flammability** 3 | **Physical Hazard** 0 | **Personal Protection** X |

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

**Prepared By**
Product Stewardship
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**Revision Date** 29-May-2015
**Revision Note** No information available

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**