1. IDENTIFICATION

Product identifier
Product Name Acrylic Enamel Reducer - Medium

Other means of identification
Product Code AAR-0510-9
UN/ID no. UN1263
SKU(s) None

Recommended use of the chemical and restrictions on use
Recommended Use No information available.
Uses advised against No information available

Details of the supplier of the safety data sheet
Supplier Address Vogel Automotive Coatings
1020 Albany Place SE
Orange City, IA 51041
Phone: 712-737-4993
Fax: 712-737-4997

Emergency telephone number
Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

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

<table>
<thead>
<tr>
<th>Hazard Statement</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 2</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Emergency Overview

Danger

Hazard statements
Harmful if swallowed
Causes skin irritation
Causes serious eye irritation
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
Causes damage to organs
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor
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 eat, drink or smoke when using this product
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 only non-sparking tools
Take precautionary measures against static discharge
Use explosion-proof electrical/ ventilating/ lighting/ equipment

Precautionary Statements - Response
IF exposed: Call a POISON CENTER or doctor/physician
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 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
Rinse mouth
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
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)
Other Information
• May be harmful in contact with skin
• Harmful to aquatic life with long lasting effects
• Harmful to aquatic life
Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>15 - 40</td>
<td>*</td>
</tr>
<tr>
<td>Aliphatic Hydrocarbon</td>
<td>64742-49-0</td>
<td>15 - 40</td>
<td>*</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>10 - 30</td>
<td>*</td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether</td>
<td>111-76-2</td>
<td>5 - 10</td>
<td>*</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>1 - 5</td>
<td>*</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Description of first aid measures

General advice
Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact
Wash off immediately with plenty of water. Call a physician immediately. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation
Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician immediately. Move to fresh air in case of accidental inhalation of vapors.

Ingestion
Do NOT induce vomiting. Rinse mouth. If symptoms persist, call a physician. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Call a physician.

Self-protection of the first aider
Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms
No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
Extremely flammable.

Explosion data

Sensitivity to Mechanical Impact
None.

Sensitivity to Static Discharge
None.

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
Personal precautions
Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions
Prevent further leakage or spillage if safe to do so. 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
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Cover liquid spill with sand, earth or other non-combustible absorbent material. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling
Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities
Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place.

Incompatible materials
Strong acids. Strong oxidizing agents. Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>TWA: 20 ppm</td>
<td>TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm</td>
<td>IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³</td>
</tr>
<tr>
<td>Acetone</td>
<td>STEL: 500 ppm TWA: 250 ppm</td>
<td>TWA: 1000 ppm TWA: 2400 mg/m² (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m³ (vacated) STEL: 2400 mg/m³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm</td>
<td>IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m³</td>
</tr>
</tbody>
</table>
Ethylene Glycol Butyl Ether
111-76-2

TWA: 20 ppm
TWA: 50 ppm
TWA: 240 mg/m³
(vacated) TWA: 25 ppm
(vacated) TWA: 120 mg/m³
(vacated) S*
S*

IDLH: 700 ppm
TWA: 5 ppm
TWA: 24 mg/m³

TWA: 20 ppm
TWA: 25 ppm
(vacated) TWA: 120 mg/m³

TWA: 5 ppm
TWA: 120 mg/m³

TWA: 240 ppm
3

TWA: 240 ppm
3

TWA: 25 ppm
(vacated) TWA: 655 mg/m³

TWA: 24 mg/m³
3

TWA: 24 mg/m³
3

TWA: 435 mg/m³
(vacated) STEL: 125 ppm
(vacated) STEL: 545 mg/m³

TWA: 435 mg/m³
(vacated) STEL: 250 ppm
(vacated) STEL: 325 mg/m³

Xylene
1330-20-7

STEL: 150 ppm
TWA: 100 ppm
TWA: 240 ppm
3

STEL: 150 ppm
TWA: 250 ppm
(vacated) STEL: 250 ppm
(vacated) STEL: 655 mg/m³

STEL: 655 mg/m³
(vacated) STEL: 250 ppm

TWA: 120 ppm
(vacated) TWA: 435 mg/m³

TWA: 140 ppm
(vacated) TWA: 435 mg/m³

TWA: 120 ppm
(vacated) TWA: 435 mg/m³

TWA: 120 ppm
(vacated) TWA: 435 mg/m³

TWA: 120 ppm
(vacated) TWA: 435 mg/m³

Methanol
67-56-1

STEL: 250 ppm
TWA: 200 ppm
S*

STEL: 250 ppm
TWA: 200 ppm
S*

TWA: 200 ppm
TWA: 260 mg/m³
(vacated) TWA: 200 ppm
(vacated) TWA: 260 mg/m³
(vacated) STEL: 250 ppm
(vacated) STEL: 325 mg/m³

TWA: 260 mg/m³
(vacated) TWA: 325 mg/m³

IDLH: 6000 ppm
TWA: 200 ppm
TWA: 260 mg/m³
STEL: 250 ppm
STEL: 325 mg/m³

TWA: 435 mg/m³
(vacated) STEL: 125 ppm
(vacated) STEL: 545 mg/m³

TWA: 435 mg/m³
(vacated) STEL: 125 ppm
(vacated) STEL: 545 mg/m³

Ethyl Benzene
100-41-4

TWA: 20 ppm

TWA: 100 ppm
TWA: 435 mg/m³
(vacated) TWA: 100 ppm
(vacated) TWA: 435 mg/m³

TWA: 100 ppm
TWA: 435 mg/m³
(vacated) TWA: 100 ppm
(vacated) TWA: 435 mg/m³

TWA: 100 ppm
TWA: 435 mg/m³
(vacated) TWA: 100 ppm
(vacated) TWA: 435 mg/m³

TWA: 100 ppm
TWA: 435 mg/m³
(vacated) TWA: 100 ppm
(vacated) TWA: 435 mg/m³

IDLH: 800 ppm
TWA: 100 ppm
TWA: 435 mg/m³
STEL: 125 ppm
STEL: 545 mg/m³

TWA: 800 ppm
TWA: 100 ppm
TWA: 435 mg/m³
STEL: 125 ppm
STEL: 545 mg/m³

TWA: 435 mg/m³
(vacated) STEL: 125 ppm
(vacated) STEL: 545 mg/m³

TWA: 435 mg/m³
(vacated) STEL: 125 ppm
(vacated) STEL: 545 mg/m³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
Tight sealing safety goggles. Face protection shield.

Skin and body protection
No special technical protective measures are necessary.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations
When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

Information on basic physical and chemical properties

Physical state
liquid

Color
No information available

Melting point/freezing point
No information available

Boiling point / boiling range
>= 56 °C / 133 °F

Flash point
-17 °C / 1 °F

Evaporation rate
No information available

pH
No information available

Odor
No information available

Odor threshold
No information available

Property
Values
Remarks • Method
Flammability (solid, gas)  
Flammability Limit in Air  
  Upper flammability limit:  
  Lower flammability limit:  
Vapor pressure  
Vapor density  
Specific Gravity  
Water solubility  
Solubility in other solvents  
Partition coefficient  
Autoignition temperature  
Decomposition temperature  
Kinematic viscosity  
Dynamic viscosity  
Explosive properties  
Oxidizing properties

Other Information

Softening point  
Molecular weight  
VOC Content (%)  
Density  
Bulk density  
Percent solids by weight  
Percent volatile by weight  
Percent solids by volume  
Actual VOC (lbs/gal)  
Actual VOC (grams/liter)  
EPA VOC (lbs/gal)  
EPA VOC (grams/liter)  
EPA VOC (lb/gal solids)

10. STABILITY AND REACTIVITY

Reactivity  
No data available

Chemical stability  
Stable under recommended storage conditions.

Possibility of Hazardous Reactions  
None under normal processing.

Conditions to avoid  
Heat, flames and sparks.

Incompatible materials  
Strong acids. Strong oxidizing agents. Chlorinated compounds.

Hazardous Decomposition Products  
Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information  
Inhalation  
Eye contact  
No data available.
Skin Contact
No data available.

Ingestion
No data available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>= 2600 mg/kg ( Rat )</td>
<td>= 12000 mg/kg ( Rabbit )</td>
<td>= 12.5 mg/L ( Rat ) 4 h</td>
</tr>
<tr>
<td>Aliphatic Hydrocarbon 64742-49-0</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>&gt; 3160 mg/kg ( Rabbit )</td>
<td>= 73680 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>= 5800 mg/kg ( Rat )</td>
<td>-</td>
<td>= 50100 mg/m³ ( Rat ) 8 h</td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether 111-76-2</td>
<td>= 470 mg/kg ( Rat )</td>
<td>= 99 mg/kg ( Rabbit )</td>
<td>= 450 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>= 3500 mg/kg ( Rat )</td>
<td>&gt; 1700 mg/kg ( Rabbit ) &gt; 4350 mg/kg ( Rabbit )</td>
<td>= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>= 6200 mg/kg ( Rat )</td>
<td>= 15800 mg/kg ( Rabbit )</td>
<td>= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>= 3500 mg/kg ( Rat )</td>
<td>= 15400 mg/kg ( Rabbit )</td>
<td>= 17.2 mg/L ( Rat ) 4 h</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
No information available.

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

Sensitization
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>-</td>
<td>Group 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether 111-76-2</td>
<td>A3</td>
<td>Group 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>-</td>
<td>Group 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>A3</td>
<td>Group 2B</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not classifiable as a human carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity
Product is or contains a chemical which is a known or suspected reproductive hazard.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Chronic toxicity
Contains a known or suspected reproductive toxin. Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands. Avoid repeated exposure. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

Target Organ Effects
blood, Central nervous system, Eyes, Gastrointestinal tract (GI), Hematopoietic System, kidney, liver, Respiratory system, Skin.

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  mg/kg  mg/l

12. ECOLOGICAL INFORMATION
Ecotoxicity

Harmful to aquatic life with long lasting effects

31.17% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static</td>
<td>15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirrus mg/L LC50 static 54: 96 h Orzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static</td>
<td>5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Aliphatic Hydrocarbon 64742-49-0</td>
<td>-</td>
<td>-</td>
<td>2.6: 96 h Chaetogammarus marinus mg/L LC50</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>-</td>
<td>4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirrus mg/L LC50</td>
<td>10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether 111-76-2</td>
<td>-</td>
<td>1490: 96 h Lepomis macrochirrus mg/L LC50 static 2950: 96 h Lepomis macrochirrus mg/L LC50</td>
<td>1000: 48 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>-</td>
<td>13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirrus mg/L LC50 flow-through 19: 96 h Lepomis macrochirrus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirrus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.28 - 40.75: 96 h Poecilia reticulata mg/L LC50 static</td>
<td>3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>-</td>
<td>28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mg/L LC50 static 13500 - 17600: 96 h Lepomis macrochirrus mg/L LC50 flow-through</td>
<td>-</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static</td>
<td>11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 32: 96 h Lepomis macrochirrus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static</td>
<td>1.8 - 2.4: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>
Persistence and degradability
No information available.

Bioaccumulation
No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>2.65</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>-0.24</td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether 111-76-2</td>
<td>0.81</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>2.77 - 3.15</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>-0.77</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>3.118</td>
</tr>
</tbody>
</table>

Other adverse effects No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

##### Disposal of wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

##### Contaminated packaging
Do not reuse container.

##### US EPA Waste Number
D001 U002 U154 U220 U239

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>Toxic Ignitable</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>Ignitable</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>Toxic Ignitable</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>Toxic Ignitable</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>Toxic Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28
Description UN1263, Paint related material, 3, II
Emergency Response Guide Number 128

TDG
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Description UN1263, Paint related material, 3, II

MEX
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Description UN1263, Paint related material, 3, II

ICAO (air)
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Special Provisions A3, A72
Description UN1263, Paint related material, 3, II

IATA
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
ERG Code 3L
Special Provisions A3, A72
Description UN1263, Paint related material, 3, II

IMDG
UN/ID no. UN1263
Proper shipping name Paint related material
Hazard Class 3
Packing Group II
EmS-No. F-E, S-E
Special Provisions 163
Description UN1263, Paint related material, 3, II

RID
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Classification code F1
Description UN1263, Paint, 3, II

ADR
UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Classification code F1
Tunnel restriction code (D/E)
Special Provisions 163, 640C, 650
Description UN1263, Paint related material, 3, II, (D/E)
Labels 3

ADN
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group II
Classification code F1
Special Provisions 163, 640C, 650
Description UN1263, Paint related material, 3, II
Hazard label(s) 3
Limited quantity (LQ) 5 L
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories
TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS Complies
ENCS Does not comply
IECSC Complies
KECL Complies
PICCS Complies
AICS Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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 | SARA 313 - Threshold Values %
---|---
Toluene - 108-88-3 | 1.0
Ethylene Glycol Butyl Ether - 111-76-2 | 1.0
Xylene - 1330-20-7 | 1.0
Methanol - 67-56-1 | 1.0
Ethyl Benzene - 100-41-4 | 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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>1000 lb</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>100 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>1000 lb</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>1000 lb 1 lb</td>
<td>-</td>
<td>RQ 1000 lb final RQ RQ 454 kg final RQ 1 lb final RQ RQ 0.454 kg final RQ</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 5000 lb final RQ RQ 2270 kg final RQ</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>100 lb</td>
<td>-</td>
<td>RQ 100 lb final RQ RQ 45.4 kg final RQ</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 5000 lb final RQ RQ 2270 kg final RQ</td>
</tr>
<tr>
<td>Ethyl Benzene 100-41-4</td>
<td>1000 lb</td>
<td>-</td>
<td>RQ 1000 lb final RQ RQ 454 kg final RQ</td>
</tr>
</tbody>
</table>

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene - 108-88-3</td>
<td>Developmental Female Reproductive</td>
</tr>
<tr>
<td>Methanol - 67-56-1</td>
<td>Developmental</td>
</tr>
<tr>
<td>Ethyl Benzene - 100-41-4</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether 111-76-2</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
U.S. EPA Label Information
EPA Pesticide Registration Number  Not applicable

Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 ‘National Emission Standards for Hazardous Air Pollutants’:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight % of HAPS in Product</th>
<th>Pounds HAPS / Gal Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>37.76%</td>
<td>2.57</td>
</tr>
<tr>
<td>Xylene</td>
<td>3.46%</td>
<td>0.24</td>
</tr>
<tr>
<td>Methanol</td>
<td>2.90%</td>
<td>0.20</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>1.86%</td>
<td>0.13</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties -</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 *</td>
<td>3</td>
<td>0</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

* = Chronic Health Hazard

Revision Date 11-Dec-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. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet