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

Product identifier
Product Name Mechanics Brand Battery Terminal Protector
Other means of identification 50202MB
Synonyms None

Recommended use of the chemical and restrictions on use
Recommended Use Primers, Sealers, and Undercoaters
Uses advised against No information available

Details of the supplier of the safety data sheet
Supplier Name Airosol Company, Inc.
Supplier Address P.O. Box 120
1206 Illinois St.
Neodesha
KS
66757
USA

Emergency telephone number
Company Phone Number 620-325-2666

INFOTRAC
1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
</tbody>
</table>
Germ cell mutagenicity: Category 1B
Carcinogenicity: Category 1A
Reproductive Toxicity: Category 2
Specific target organ toxicity (single exposure): Category 3
Specific target organ toxicity (repeated exposure): Category 2
Aspiration toxicity: Category 1
Flammable Aerosols: Category 1
Gases under pressure: Compressed gas

GHS Label elements, including precautionary statements

Emergency Overview

Signal word
Danger

Hazard Statements
Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Appearance Red
Physical state Liquid spray Aerosol
Odor Naphthalenic

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
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition source

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 ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Protect from sunlight

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
Very toxic to aquatic life with long lasting effects
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals
Use of alcoholic beverages may enhance toxic effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliphatic</td>
<td>64742-89-8</td>
<td>10 - 30</td>
</tr>
<tr>
<td>1H-imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-</td>
<td>95-38-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>64742-94-5</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>
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. Seek immediate medical attention/advice.

**Skin contact**
Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Inhalation**
Remove to fresh air. Get medical attention immediately if symptoms occur. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

**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**
Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

**Most Important Symptoms and Effects**

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

**Notes to Physician**
May cause sensitization in susceptible persons. Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media
DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

Specific hazards arising from the chemical
Product is or contains a sensitizer. May cause sensitization by skin contact. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. Ruptured cylinders may rocket.

Uniform Fire Code
Sensitizer: Liquid
Aerosols: Level III

Explosion Data
Sensitivity to Mechanical Impact
Yes.

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

Personal precautions
Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. Contents under pressure. Do not puncture or incinerate cans.

Other Information
Refer to protective measures listed in Sections 7 and 8. Ventilate the area.

Environmental precautions

Environmental precautions
Prevent further leakage or spillage if safe to do so. Refer to protective measures listed in Sections 7 and 8. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up
Take precautionary measures against static discharges. Dam up. 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 breathing vapors or mists. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use spark-proof tools and explosion-proof equipment. Use only with adequate ventilation and in closed systems. Keep in an area equipped with sprinklers. In case of rupture. Avoid contact with skin and eyes.

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. Protect from sunlight. 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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<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 108-88-3</td>
<td>TWA: 20 ppm</td>
<td>TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) TWA: 150 ppm (vacated) TWA: 560 mg/m³ Ceiling: 300 ppm IDLH: 500 ppm</td>
<td></td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>STEL = 750 ppm TWA: 500 ppm</td>
<td>TWA: 1000 ppm TWA: 2400 mg/m³ (vacated) TWA: 1800 mg/m³ (vacated) TWA: 750 ppm (vacated) TWA: 1000 ppm (vacated) STEL: 1500 ppm (vacated) STEL: 2400 mg/m³ IDLH: 2500 ppm 10% LEL</td>
<td></td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>STEL = 150 ppm TWA: 100 ppm</td>
<td>TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) TWA: 150 ppm (vacated) STEL: 655 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³ IDLH: 2100 ppm</td>
<td></td>
</tr>
<tr>
<td>Butane 106-97-8</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 1900 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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

Shower
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Skin and body protection


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.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid spray, Aerosol</td>
<td>Odor</td>
<td>Naphthalenic</td>
</tr>
<tr>
<td>Appearance</td>
<td>Red</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>UNKNOW</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.8279</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
</tbody>
</table>
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.

Conditions to avoid
Heat, flames and sparks. Excessive heat.

Incompatible materials

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. May cause drowsiness or dizziness.

Eye contact
Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). 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. (based on components).

Component Information

<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>Acetone 67-64-1</td>
<td>= 5800 mg/kg (Rat)</td>
<td>-</td>
<td>= 50100 mg/m³ (Rat) 8 h</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>= 3500 mg/kg (Rat)</td>
<td>&gt; 4350 mg/kg (Rabbit) &gt; 1700 mg/kg (Rabbit)</td>
<td>= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Propane</td>
<td>-</td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>
Information on toxicological effects

Symptoms

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

Sensitization
May cause sensitization by skin contact.

Mutagenic Effects
Contains a known or suspected mutagen.

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

<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>Xylene 1330-20-7</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*IARC (International Agency for Research on Cancer)*  
*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

Reproductive toxicity
Contains a known or suspected reproductive toxin.

STOT - single 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 acute exposure. (STOT SE). If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. Detailed substance and/or ingredient information may be provided in other sections of this SDS. Target organs effects listed in this document may result from a single overexposure to this product.

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
Possible risk of irreversible effects. 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 liver effects. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Target Organ Effects

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)
3,667.00 mg/kg
ATEmix (dermal)
5,079.00 mg/kg (ATE)
ATEmix (inhalation-gas)
29,072.00 ppm (4 hr)
ATEmix (inhalation-dust/mist)
8.70 mg/l
ATEmix (inhalation-vapor)
73.00 ATEmix
### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>96h EC50: &gt; 433 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 12.5 mg/L (Pseudokirchneriella subcapitata)</td>
<td>96h LC50: = 15.22 - 19.05 mg/L (Pimephales promelas) 96h LC50: = 2.89 - 7.81 mg/L (Oncorhynchus mykiss) 96h LC50: = 14.1 - 17.16 mg/L (Oncorhynchus mykiss) 96h LC50: = 5.8 mg/L (Oncorhynchus mykiss) 96h LC50: = 11.0 - 15.0 mg/L (Lepomis macrochirus) 96h LC50: = 28.2 mg/L (Oryzias latipes) 96h LC50: 11.0 - 15.0 mg/L (Lepomis macrochirus) 96h LC50: 54 mg/L (Poecilia reticulata) 96h LC50: 50.87 - 70.34 mg/L (Poecilia reticulata)</td>
<td>EC50 = 19.7 mg/L 30 min 48h EC50: = 11.5 mg/L</td>
<td></td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>96h LC50: = 4.74 - 6.33 mL/L (Oncorhynchus mykiss) 96h LC50: = 6210 - 8120 mg/L (Pimephales promelas) 96h LC50: = 8300 mg/L (Lepomis macrochirus)</td>
<td>EC50 = 14500 mg/L 15 min</td>
<td>48h EC50: = 10294 - 17704 mg/L 48h EC50: = 12600 - 12700 mg/L</td>
<td></td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: = 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: = 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: = 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: = 780 mg/L (Cyprinus carpio) 96h LC50: &gt; 780 mg/L (Cyprinus carpio) 96h LC50: = 30.26 - 40.75 mg/L (Poecilia reticulata) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus)</td>
<td>EC50 = 0.0084 mg/L 24 h</td>
<td>48h EC50: = 3.82 mg/L 48h LC50: = 0.6 mg/L</td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliphatic 64742-89-8</td>
<td>72h EC50: = 4700 mg/L (Pseudokirchneriella subcapitata)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>72h EC50: = 2.5 mg/L (Skeletonema costatum)</td>
<td>96h LC50: = 19 mg/L (Pimephales promelas) 96h LC50: = 2.34 mg/L (Oncorhynchus mykiss) 96h LC50: = 1740 mg/L (Lepomis macrochirus) 96h LC50: = 41 mg/L (Pimephales promelas) 96h LC50: = 45 mg/L (Pimephales promelas)</td>
<td></td>
<td>48h EC50: = 0.95 mg/L</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**

No information available.
Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Log Pow</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>Xylene 1330-20-7</td>
<td>3.15</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>2.3</td>
</tr>
<tr>
<td>Butane 106-97-8</td>
<td>2.89</td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>6.1</td>
</tr>
</tbody>
</table>

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). Should not be released into the environment. Dispose of contents/containers in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

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

US EPA Waste Number
U220 U239 U002 D001

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td></td>
<td></td>
<td>Toxic waste</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>waste number F025</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Waste description:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Condensed light ends,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>spent filters and</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>filter aids, and</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>spent desiccant</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>wastes from the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>production of certain</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>chlorinated aliphatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>hydrocarbons, by free</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>radical catalyzed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>processes, These</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>chlorinated aliphatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>hydrocarbons are those</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>having carbon chain</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>lengths ranging from</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>one to and including</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>five, with varying</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>amounts and positions</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>of chlorine substitution.</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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>Toxic Ignitable</td>
</tr>
<tr>
<td>Acetone</td>
<td>Ignitable</td>
</tr>
<tr>
<td>Xylene</td>
<td>Toxic Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name
CONSUMER COMMODITY
Hazard Class
ORM-D
Description
CONSUMER COMMODITY, ORM-D

TDG
UN-No.
UN1950
Proper Shipping Name
AEROSOLS
Hazard Class
2.1
Description
UN1950, AEROSOLS (TOLUENE, 1H-IMIDAZOLE-1-ETHANOL, 2-(8-HEPTADECENYL)-4,5-DIHYDRO-), 2.1, MARINE POLLUTANT

MEX
UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS
Hazard Class | 2.1
Description | UN1950, AEROSOLS, 2.1

ICAO

UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS
Hazard Class | 2.1
Description | UN1950, AEROSOLS, 2.1

IATA

UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS, FLAMMABLE
Hazard Class | 2.1
ERG Code | 10L
Description | UN1950, AEROSOLS, FLAMMABLE, 2.1

IMDG/IMO

UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS
Hazard Class | 2.1
EmS-No. | F-D, S-U
Description | UN1950, AEROSOLS (TOLUENE, 1H-IMIDAZOLE-1-ETHANOL, 2-(8-HEPTADECENYL)-4,5-DIHYDRO-), 2.1, MARINE POLLUTANT

RID

UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS
Hazard Class | 2.1
Classification code | 5F
Description | UN1950, AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

ADR

UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS
Hazard Class | 2.1
Classification code | 5F
Tunnel restriction code | D
Description | UN1950, AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

ADN

UN-No. | UN1950
---|---
Proper Shipping Name | AEROSOLS
Hazard Class | 2.1
Classification code | 5F
Special Provisions | 190, 327, 344, 625
Description | UN1950, AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
Hazard Labels | 2.1
Limited Quantity | 1 L
Ventilation | VE01, VE04

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene - 108-88-3</td>
<td>108-88-3</td>
<td>10 - 30</td>
<td>1.0</td>
</tr>
<tr>
<td>Xylene - 1330-20-7</td>
<td>1330-20-7</td>
<td>10 - 30</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
- Acute Health Hazard: Yes
- Chronic Health Hazard: Yes
- Fire Hazard: Yes
- Sudden release of pressure hazard: Yes
- 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>
</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>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>1000 lb</td>
<td></td>
<td>RQ 1000 lb final RQ</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>5000 lb</td>
<td></td>
<td>RQ= 2270 kg final RQ</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>100 lb</td>
<td></td>
<td>RQ= 5000 lb 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</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>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Propane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
International Regulations

Mexico
National occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene 108-88-3</td>
<td></td>
<td>Mexico: TWA 50 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: TWA 188 mg/m³</td>
</tr>
<tr>
<td>Acetone 67-64-1</td>
<td></td>
<td>Mexico: TWA 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: TWA 2400 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL= 1260 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL= 3000 mg/m³</td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td></td>
<td>Mexico: TWA 80 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: TWA 1900 mg/m³</td>
</tr>
</tbody>
</table>

Butane 106-97-8

Mexico - Occupational Exposure Limits - Carcinogens

Canada
WHMIS Hazard Class
Not determined

16. OTHER INFORMATION

NFPA
Health Hazards 3
Flammability 4
Instability 0
Physical and Chemical Hazards - Personal Protection X

HMIS
Health Hazards 3 *
Flammability 4
Physical Hazard 0

Chronic Hazard Star Legend *
= Chronic Health Hazard

Prepared By
Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date
01-Dec-2015

Revision Date
01-Dec-2015

Revision Note
No information available

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End of Safety Data Sheet