

MATERIAL SAFETY DATA SHEET

MIRROR-X

SECTION I – MANUFACTURER'S NAME AND CONTACT INFORMATION

Manufacturer

E-Zoil Products, Inc.
2355 Bailey Avenue
Buffalo, NY 14215

Emergency 1-800-424-9300 Chemtrec
Information 716-892-4632
Date prepared June 1, 2009

NFPA Code: Health 3 Fire 0 Reactivity 0

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Ingredients | CAS Number | % by Weight | TLV |
|-----------------|------------|-------------|-----|
| Phosphoric Acid | 7664-38-2 | 20-40% | N/A |

SECTION III – PHYSICAL & CHEMICAL CHARACTERISTICS

| | |
|--|----------------------------|
| Appearance: Green liquid | Odor: Slight chemical odor |
| Boiling Point: N/A | Melting Point: N/A |
| Vapor Pressure: N/A | Vapor Density (Air=1): N/A |
| Specific Gravity: 1.20-1.32 (H ₂ O=1) | Evaporation rate: N/A |
| Solubility in water: 100% | pH: 1.5 |

SECTION IV – FIRE & EXPLOSION HAZARD DATA

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustion generates toxic fumes. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Substance is noncombustible. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.

Extinguishing Media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

SECTION V – REACTIVITY DATA

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Exposure to air, excess heat.

Incompatibilities with Other Materials: Strong bases, strong oxidizing agents, strong reducing agents, metals.

Hazardous Decomposition Products: Oxides of phosphorus.

Hazardous Polymerization: Has not been reported.

SECTION VI – HEALTH HAZARD DATA

Inhalation: Inhalation is not an expected hazard unless misted or heated to high temperatures. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumonitis.

Ingestion: Corrosive. May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach. Severe exposures can lead to shock, circulatory collapse, and death.

Skin Contact: Corrosive. May cause redness, pain, and severe skin burns.

Eye Contact: Corrosive. May cause redness, pain, blurred vision, eye burns, and permanent eye damage.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible to the effects of the substance.

SECTION VII – FIRST AID MEASURES

Danger! Causes eye and skin burns. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns.

Target Organs: Lungs, eyes, skin, mucous membranes.

Potential Health Effects

Eye: Contact with liquid is corrosive to the eyes and causes severe burns.

Skin: Contact with liquid is corrosive and causes severe burns and ulceration. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Ingestion: Causes gastrointestinal tract burns.

Inhalation: Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Aspiration may lead to pulmonary edema. May cause systemic effects.

Chronic: Effects may be delayed. Repeated contact may cause corneal damage.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

SECTION VIII – PRECAUTIONS FOR SAFE HANDLING AND USE

General Information: Use proper personal protective equipment.

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Discard contaminated shoes. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Corrosives area. Do not store in metal containers.

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

SECTION IX – CONTROL MEASURES

Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with sand, dry lime or soda ash and place in a closed container for disposal. Provide ventilation.

Ventilate area of leak or spill. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802

SECTION X – TRANSPORT INFORMATION

Domestic (Land, DOT)

Proper Shipping Name: Corrosive Liquid, acidic, organic, n.o.s., (contains phosphoric acid and glycolic acid).

Hazard Class: 8

UN/NA: UN 3265

Packing Group: III

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