

Material Safety Data Sheet (MSDS)

Health: 2, Fire: 2, Reactivity: 1, Personal Protection: H
Hazard Rating: Least - 0, Slight - 1, Moderate - 2, High - 3, Extreme - 4.

Product: Roadware 10 Minute Concrete Mender (Component A)

Section 1: Manufacturer's Name

JETomes & Associates, Inc.
2513 West 140th Place
Blue Island, IL 60406
708-653-5100



24 HOUR EMERGENCY TELEPHONE NUMBER: CHEM-TEL 800-255-3924 USE ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING ROADWARE SYLCRETE.

WHMIS Classification: D2B; TDG

Shipping Information: Class 60, IATA NON-REGULATED, DOT NON-HAZARDOUS
US DOT CA-9501002; Non-regulated by Road or Rail as per permit No. SU 4652

Date Prepared: October 1, 2002

Section 2: Hazardous Ingredients/SARA III Information

Haz. Components	CAS#	OSHA PEL	ACGIH MFG	%WEIGHT
Polyphenylene Ester	9016-87-9	0.02ppm	0.02ppm	MAJOR
Naptheiene	91-20-3	10ppm	10ppm	TRACE
Aromatic Petroleum Distillates	64742-94-5	50ppm	50ppm	MINOR
4,41 Diphenyimethane-Diisocyanate (MDI)	101-68-8	non-regulated material		MAJOR

*MAJOR=OVER 25%, MINOR=6-25%, TRACE=UNDER 6%, RESIDUE=UNKNOWN % RESIDUE POSSIBLE.

Substances listed in the Ingredients Section are those identified as being present in concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Standard, 29 CFR 1910.1200(1).

Section 3: Physical/Chemical Characteristics

Boiling Point: >300°F

Vapor Density: N/A

Solubility in Water: Reacts with water.

Specific Gravity: (H₂O=1): 1.1

Evaporation rate: N/A

Appearance and Odor: Thin liquid, mild aromatic

Section 4: Fire and Explosion Hazard Data

Flash Point: 145°F **Method Used:** PMCC

Flammable Limits in Air By Volume: Lower: N/A Upper: N/A

Extinguishing Media: Foam, CO₂, Dry Chemical.

Special fire Fighting Procedures: Wear self contained breathing apparatus in positive pressure mode with face piece. Boots, gloves (neoprene), goggles, and protective clothing are also required.

Usual Fire and Explosion Hazard: Closed containers may rupture due to very high temperature. Toxic gasses are generated during a fire. Hazardous water contamination may cause carbon dioxide and rupture the container due to pressure buildup.

Section 5: **Reactivity Data**

Stability: Stable

Conditions to Avoid: heat, open flame and sparks.

Incompatibility (materials to avoid): strong oxidizing agent, water, alcohol.

Hazardous Decomposition or By Products: Carbon dioxide, carbon monoxide, and nitrogen oxide. Trace amount of hydrogen cyanide.

Hazardous Polymerization: Will not occur.

Section 6: **Health Hazard Data**

This material when used in conjunction with 10 Minute Concrete Mender Side B, will react within the mixing process in seconds. Any exposure to individual components will be minimal due to the polymer locking reaction between part A and part B. material in pre-packaged cartridges is self mixing and is applied directly to the repair area in a semi-reacted state. Exposure under these conditions is generally below measurable amounts. When potmixing these materials, adequate ventilation should be provided. Do not potmix in an enclosed area. A slight odor is generated within the reaction process. This is caused by a trace amount of naphthalene within the materials. Ventilate enclosed areas to dissipate odor.

Inhalation Health Risks and Symptoms of Exposure: High concentrations may irritate respiratory tract, Inhalation of mists and vapors may cause dry throat, cough, dizziness, headaches, nausea, unconsciousness and other central nervous systems effects. MDI can induce respiratory sensitization with asthma-like symptoms.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Repeated skin contact can cause reddening, swelling and blistering.

Ingestion Health Risks and Symptoms of Exposure: Low level of acute oral toxicity, can cause nausea, vomiting, diarrhea, headache and irritation and or burns to the mouth.

Carcinogenicity: NTP? No; **IARC Monographs?** NO; **OSHA Regulated?** NO

Medical Conditions Generally Aggravated By Exposure: Eye and Skin irritation, asthma like conditions.

Emergency and First Aid Procedures: **Eye contact-** Flush eye with water for at least 15 minutes. Get medical attention promptly. **Inhalation-**remove person to fresh air, if breathing is difficult administer oxygen. Get medical attention promptly.

Skin contact-Wipe off and wash thoroughly contacted area with soap and water. **Ingestion-**Do not induce vomiting. Consult physician immediately.

Section 7: **Precautions for Safe Handling and Use**

Steps to be taken in Case Materials is Released or Spilled: Eliminate ignition sources like heat, open flame and sparks. Ventilate area of spill and dike area. Cover the spill with inert absorbent and shovel into disposable containers.

Waste disposal Methods: Shovel into container, dispose of as federal, state and local environmental law permits.

Precautions to be taken in Handling and storing: Store in cool dry place, away from heat, open flame, sparks and water.

Other precautions: Individuals with respiratory problems to isocyanates must not be exposed to vapors or spray mist containing isocyanates.

Section 8: **Control Measures**

Respiratory Protection: provide adequate ventilation to keep the airborne concentration of diisocyanate below TLV limit. For concentration above TLV limit use of a positive pressure self-contained breathing apparatus (SCBA) or NIOSH/MSHA approved positive pressure supplied air respirator with a full face piece and escape (SCBA) required.

Ventilation: Local exhaust recommended.

Eye Protection: Chemical safety goggles.

Other Protective Clothing or Equipment: Laboratory coats or aprons to avoid skin contact. Accessible to safety shower and eye wash stations.

Work/Hygiene Practices: Avoid unnecessary exposure to vapors and mists. Use protective equipment to minimize skin contact.

Section 9: **Disclaimer**

The data set forth in this sheet is based on information provided by the suppliers of raw materials and chemicals used in the manufacture of the aforementioned product. JETomes & Associates makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.