

## Mira Dust

**Osha's Hazard Communication Standard  
U.S. Department Of Labor**
29 CFR 1910.1200  
Identity No:OMB No. 1218-0072  
Name: Mira Dust**Section 1**

Manufacturers Name: Miracle Sealants Company  
 Address: 12318 Lower Azusa Road  
 Emergency Phone: 800-350-1901  
 City: Arcadia  
 State: CA  
 Phone: 626-443-6433  
 Date Prepared: 04-01-2003

**Section 2 - Hazardous Ingredient/Identity Information**

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Potassium Oxalate	6487-48-5	N/A	N/A
Ammonium Bifluoride	1341-49-7	N/A	N/A
Acrylic Acid	79-10-7	10ppm	N/A

VOC: < 10 g/L

**Section 3 - Physical/Chemical Characteristics**

Boiling point: (3) 141° C      Freezing point: N/A  
 Melting point: N/A      Vapor pressure: (3) 4  
 Vapor density: (3) 2.5      % Volatile: N/A  
 Density: N/A      Odor threshold: N/A  
 Evaporation rate: N/A      Acid/Alkalinity: N/A  
 Solubility in organic solvent: N/A      pH: 2.3

Solubility in water: (1) 25% In weight at 18° C  
 (2) 45.3%      (3) Complete

Physical state: (1) Fine, granular, white, odorless crystals.  
 (2) White, transparent solid, slight acid odor  
 (3) Colorless liquid, sharply acrid odor

Specific Gravity: (1) 2.13 (2) 1.5 (3) 1.05

**Section 4 - Fire And Explosion Hazard Data**

Flash Point: (3) 50 T.C.C.      Flammable Limits: N/A  
 LEL: 2      UEL: 8  
 DOT#: None

Extinguishing media: Water fog, CO<sub>2</sub>, alcohol or dry chemical.  
 NFPA Hazard Rating - H F R S (0 - Least, 4 - Extreme) : 2 0 0 0  
 Special fire fighting procedures: N/A  
 Unusual fire & explosion hazard: N/A

**Section 5 - Reactivity Data**

Stability: (1) and (3) Stable      (2) Unstable  
 Conditions to avoid: (2) Heat and any open flame  
 Incompatible materials to avoid: Strong oxidizers, acids and alkalis, aldehydes, ethers and amines.

Hazardous polymerization: May occur.  
 Conditions to avoid: Excessive heat and freezing  
 Hazardous decomposition products: (2) NH<sub>3</sub> and HF, which are corrosive.

**Section 6 - Health Hazard Data****Routes of Entry:**

Inhalation - Possible  
 Skin - Possible  
 Ingestion - Possible  
 Health hazards - Same as signs and symptoms of exposure  
 OSHA Carcinogenicity - None; NTP - None; IARC Monographs - None

**Signs and Symptoms of Over Exposure:**

Eyes: Material is ocular irritant & may cause cornea damage. Healing is usually complete if first aid measures have been promptly initiated.  
 Skin: May cause irritation to skin.  
 Ingestion: May cause systemic poisoning and cause severe damage to the esophagus and stomach. May cause hypocalcemia, possibly fatal.  
 Inhalation: Irritation, may cause coughing & difficult breathing. Excessive inhalation may cause systematic poisoning.

Medical conditions generally aggravated - Hypocalcemia, liver or kidney diseases.

Signs and symptoms of over exposure: Pain in throat, esophagus and stomach.

**Emergency and First Aid Procedures**

**Eyes:** Promptly flush with plenty of water, lifting eyelids occasionally to facilitate irrigation. Continue for at least 15 minutes.

**Skin:** Wash with plenty of soap and water. Then flush with water. Remove clothing upon contamination and wash before reuse.

**Ingestion:** Do not induce vomiting. Get prompt medical attention. Speed is essential.

**Inhalation:** Remove victim to fresh air. If exposure to dust or mist was severe, get medical attention.

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

Steps to be taken in case material is released or spilled: Promptly sweep or shovel material into an empty container, avoiding dusty conditions. Label container "poison" and close for later use or disposal. Complete clean-up by flushing residue with plenty of water. Skin and eye protection should be used.

Waste disposal method: If permitted by applicable disposal regulations, dispose of waste product via a secure solid waste landfill or dissolve in large quantity of water and discharge to sewer, stepwise if necessary.

Precautions to be taken in handling and storing: store in a cool, dry place, away from food or feed product. Wash thoroughly after handling. Do not get in eyes, skin, clothing. Keep container closed. Do not ingest.

Other precautions: KEEP OUT OF REACH OF CHILDREN. Follow directions on the container for proper use of this product.

**Section 8 - Control Measures**

Respiratory protection: Ventilate by opening all doors and windows. If exposure above the TLV or PEL require a niosh approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required.

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses.

Other protective clothing or equipment: chemical resistant clothing.

Work hygienic practices: Wash hands thoroughly before handling food stuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures.

**Section 9 - Shipping & Regulatory Classification**

DOT Shipping Name: Please refer to the Bill of Lading receiving/ documents for up-to-date information.

DOT Hazard Class:

OSHA Hazard Class:

UN/NA Number:

Placards:

EPA Hazard Waste:

Transportation Class:

Toxic Substances Control Act (TSCA): This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

**NOTE:** Miracle Sealants believes the data set forth are accurate. Miracle Sealants makes no warranty with respects thereto and disclaims all liability or reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.