



Material Safety Data Sheet

Manufacturer's Name Dylon Industries, Inc.	Emergency Telephone No. Call INFOTRAC at 1-800-535-5053
Address 7700 Clinton Rd. Cleveland, OH 44144	Other Information Calls 216-651-1300
MSDS Approved By Larry R. Kracker	Date Prepared August 31, 2006

SECTION 1 - IDENTITY

COMMON NAME (used on label) Grade C-3	HAZARD RATING
PRODUCT CLASS Powdered ceramic cement	WHMIS Class D-2B

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT PERCENT	Threshold Limit Value (units)
Silicon dioxide	14808-60-7	70	0.1 mg/m ³ (ACGIH); respirable
Sodium silicate	1344-09-8	20	eye irritant

WARNING - Chronic health effect possible. Inhalation of silica dust may cause delayed lung injury/disease (silicosis). Take appropriate measures to avoid breathing dust. The International Agency for Research on Cancer (IARC) classifies respirable crystalline silica as a Class 2A carcinogen [IARC, Vol. 42, 1987] based on studies on experimental animals. There is limited evidence of carcinogenicity to humans.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point NA	Specific Gravity (H ₂ O=1) NA	Vapor Pressure(mm Hg) NA			
Percent Volatile by Volume (%) NA	Vapor Density (Air=1) NA	Evaporation Rate (Ether=1) NA			
Solubility In Water Insoluble	pH NA				
Appearance and Odor White to cream colored, odorless powder.					
Flash Point None	Flammable Limits in Air(% by Volume) NA	Lower ---	Upper ---	Extinguisher Media Material not flammable	Auto-Ignition Temperature NA
Special Fire Fighting Procedures None					
Unusual Fire and Explosion Hazards None					

SECTION 4 - PHYSICAL HAZARDS

Grade C-3

Stability	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid NA
Incompatibility (Materials to Avoid) Avoid contact with strong acids, strong bases and strong oxidizers.		
Hazardous Decomposition Products None known		
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid NA

SECTION 5 - HEALTH HAZARDS

Threshold Limit Value Silicon dioxide: 0.1 mg/m ³ (ACGIH); Nuisance dust: 10 m/gm ³ (total dust), 5 mg/m ³ (respirable dust) (ACGIH)						
Signs and Symptoms of Exposure		1. Acute Overexposure Dust may be irritating to nose and throat. Contact may cause eye or skin irritation.				
2. Chronic Overexposure See section 2.						
Medical Conditions Generally Aggravated by Exposure May exacerbate pre-existing pulmonary or respiratory diseases.						
Chemical Listed as Carcinogen or Potential Carcinogen *=Silicon dioxide	National Toxicology Program	Yes <input checked="" type="checkbox"/> * Level 2A No <input type="checkbox"/>	I.A.R.C. Monographs	Yes <input checked="" type="checkbox"/> Level 2A No <input type="checkbox"/>	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit 0.1 mg/m ³	ACGIH Threshold Limit Value 0.1 mg/m ³			Other Exposure Limit Used ---		
Emergency and First Aid Procedure						
1. Inhalation Avoid breathing dust. Remove to fresh air. Obtain medical attention if necessary.						
2. Eyes Flush eyes immediately with plenty of water for 15 minutes; consult a physician.						
3. Skin Wash with warm, soapy water. Wash contaminated clothing before re-use.						
4. Ingestion Do not induce vomiting. Obtain medical attention.						

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) See sections 2 & 5. Approved dust/mist respirator in area where respirable particles exceed TLV for nuisance dust.				
Ventilation Normal plant ventilation	Local Exhaust Recommended	Mechanical (General) Recommended	Special ---	Other ---
Protective Gloves Work gloves. Rubber or neoprene (if needed).			Eye Protection Safety goggles	
Other Protective Clothing or Equipment Normal work apparel.				

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Respiratory protection should be used when entering areas containing respirable silica in concentrations above the threshold limit value (TLV)	
Other Precautions Keep containers closed until used. Avoid contamination with water or other liquids.	
Steps to be Taken in Case Material is Released or Spilled Sweep or vacuum thoroughly. Avoid stirring up dust.	
Waste Disposal Methods Dispose of in accordance with local, state and federal regulations.	

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.