



Basic-Crete Urethanes – Epoxies – M.M.A.s

Material Safety Data Sheet

3628 W. Holland Avenue, Fresno, CA 93722 (877) 225-2549

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SECTION 1 - IDENTIFICATION		HAZARD RATING	Health	3
		0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Moderate	Flammability	0
			Reactivity	0
			Personal Protection	F
IDENTITY (As Used on Label)	Basic Crete Slurry and Mortar Aggregate			
COMMON NAME	Sand/Cement Aggregate			

SECTION II – PRODUCT COMPONENTS	CAS.#	OSHA PEL	ACGIH TLV
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Crystalline Silica (Quartz)	14808-60-7	10mg/m ³	0.05mg/m ³
		% SiO ₂ +2	
Portland Cement	65997-15-1	10mg/m ³	10mg/m ³
		Total Dust	Total Dust
Calcium/Magnesium Hydroxide	39445-23-3	15mg/m ³	10mg/m ³
		Total Dust	Total Dust

Crystalline silica can be a lung injury and cancer hazard. Do not breathe dust. May cause delayed lung injury. Long term exposure can cause silicosis, a respiratory disease which can result in a delayed, disabling, and sometimes fatal lung injury. Crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.

T.S.C.A. Status O.K.

FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	4,000 ⁰ F	Specific Gravity (H ₂ O = 1)	>1
Vapor Pressure (mm Hg)	N/A	Melting Point	3,000 ⁰ F
Vapor Density (Air = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	INSOLUBLE		
Appearance and Odor	Naturally rounded sand. Various sizes. No odor.		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point	N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media	N/A			
Special Firefighting Procedures	N/A			
Unusual Fire and Explosion Hazards	N/A			

SECTION V – REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	NONE KNOWN
Incompatibility (Materials to Avoid)	Hydrofluoric Acid and powerful oxidizing agents.		
Hazardous Decomposition or Byproducts.	NONE KNOWN		
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	NONE KNOWN

SECTION VI – HEALTH HAZARD DATA			
Rout(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	NO	NO
Signs and Symptoms of Exposure Shortness of breath and reduced pulmonary function.			
Health Hazards (Acute and Chronic)			
ACUTE – NO SYMPTOMS			
CHRONIC – excessive inhalation of dust may result in respiratory disease such as silicosis, pulmonary fibrosis, etc. The IARC has evaluated in Vol. 42 (monographs) that there is “sufficient evidence for the Carcinogenicity of crystalline silica dust to experimental animal and limited evidence with respect to humans.			
Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
	YES (Respirable Silica)	YES*Level 2A Grouping	NO
Medical Conditions Generally Aggravated by Exposure			
Lung disorders and persons subject to eye irritation.			
Emergency and First Aid Procedures			
EYES – Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.			
SKIN – PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists.			
INHALATION – Move person to fresh area if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician.			
INGESTION – Expected to be slightly toxic by ingestion. If swallowed, induce vomiting immediately as directed by a physician. Get medical attention immediately. Never give liquids to an unconscious or convulsing person.			
OTHER HEALTH EFFECTS – Medical conditions which may be aggravated by exposure to this product include, conjunctivitis of the eye, dermatitis of the skin, asthma and respiratory diseases. Sensitization may occur by skin contact.			
NOTE persons with lung disorders or who are sensitized should not use this product.			
SECTION VII – CONTROL MEASURES			
Respiratory Protection (Specify Type): Atmospheric levels should be maintained below the exposure limits listed in section II by using engineering controls. Provide adequate exhaust ventilation and/or NIOSH approved cartridge respirator.			
Ventilation	Local Exhaust	To meet PEL requirements.	Special None Known
	Mechanical	Adequate to meet PEL requirements.	
Protective Gloves	Recommended		Eye Protection Recommended
Other Protective Clothing or Equipment			
Use adequate ventilation and dust collection. To minimize exposure, wear a respirator approved for silica dust when using, handling, storing or disposing of this product. Refer to the most recent standards of ANSI (Z88.2) OSHA (29 CFR 1910.134), MSHA (30 CFR Parts 56 and 57), and NIOSH Respirator Decision Logic. Maintain, clean and fit test respirators in accordance with OSHA regulations.			
Work/Hygienic Practices	Avoid creating and breathing dust.		
SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE			
Steps to be Taken in Case Material is Released or Spilled			
Do not breathe dust. Do not rely on your sight to determine if dust is in the air. Silica may be in the air without a visible dust cloud. Avoid creation of respirable dust.			
Waste Disposal Method			
Dispose waste material in a sanitary land fill or as regulated by local, state and federal regulations.			
Precautions to be Taken in Handling and Storing			
Avoid creation of respirable dust. Take precaution against bag breakage.			
Other Precautions	None Known		
Please Note	“The above information is accurate to the best of our knowledge. However, since data safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Basic Polymers MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data to his particular use.”		