Date Prepared: 09/27/02
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Product Name: KemPlate

ChemMasters

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: KemPlate
Production Description: Heavy Duty Dry Shake Hardener for Floors

ChemMasters
300 Edwards Street
Madison, Ohio 44057
440-428-2105

In Case of Emergency Contact:
CHEMTREC 800/424-9300

2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA (PEL/TWA)	ACGIH (TLV/TWA)	OTHER	
Silica, Quartz	14808-60-7	10 mg/m³ (%SiO2+2)	0.1 mg/m³ (resp)	—	15-20
Cement	Mixtures	5 mg/m³	10 mg/m³ (resp)	—	30-35
Iron	1309-37-1	5 mg/m³	5 mg/m³	----	50-55

3. Hazards Identification

CAUTION
May cause eye and respiratory tract irritation
Overexposure may cause skin irritation or burns

Potential Health Hazards - Acute

Eye: Cement dust may cause irritation. Silica may cause irritation due to mechanical action.
Skin: Wet material can dry the skin and cause alkali burns. Precautions must be observed because alkali cement burns occur with little warning — little heat is sensed.
Inhalation: Dust may cause respiratory tract irritation.
Ingestion: May cause gastrointestinal irritation, ulceration and/or burns of mouth and throat.

Potential Health Effects - Chronic

Excess exposure to large amounts of dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. Prolonged excessive exposure to respirable silica may cause delayed chronic lung disease — silicosis. IARC Monographs concludes there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and limited evidence to humans. NTP has listed Respirable Crystalline Silica in the 6th Annual Report on Carcinogens.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	YES	YES	YES

4. First Aid Measures

Eye: Immediately flush with plenty of water.
Skin: Flush immediately with soap and water. Remove contaminated clothing.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Highly unlikely in hazardous amounts. Do NOT induce vomiting. Dilute by giving victim 2 glasses of milk or water, followed by fruit juices or diluted vinegar to neutralize the alkali. Get medical attention.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

5. Fire Fighting Measures

Flash Point (method used)**:** No data available
Flammable Limits (% volume in air)**: Lower** = Not applicable **Upper** = Not applicable
Auto Ignition Temperature: Not applicable
Extinguishing Media: Not combustible. Use media appropriate for surrounding fire.
Hazard Combustion Products: Not applicable
Fire Fighting Instructions: Appropriate gear and precautions for surrounding fire.

6. Accidental Release Measures

Spill: Sweep up and remove. Flush residue with plenty of water.

7. Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid dispersing dust into the air. Avoid breathing dust. Always use good industrial hygiene practices and safety guidelines in dealing with this potentially hazardous product.
Storage: Although no hazardous reaction will occur, material should be kept dry until used. Keep out of contact with acidic materials.

8. Exposure Controls / Personal Protection

Exposure Controls: Mechanical exhaust should be used. A source of clean water should be available for flushing eyes and skin.
Personal Protection: An approved dust respirator should be used when mixing this product, protective clothing, rubber gloves and glasses. Barrier creams should be used during prolonged exposure.

9. Physical and Chemical Properties

Appearance: Colored powders
Odor: Odorless
Boiling Point: Not applicable
Melting Point: Not applicable
Vapor Pressure (mm/Hg)**:** Not applicable
Vapor Density (Air = 1)**:** Not applicable
Solubility in Water: Negligible (<5%)
Specific Gravity (H_2O = 1)**:** 2.11- 2.81
Evaporation Rate (n-Butyl Acetate = 1)**:** Not applicable

10. Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: Contact with hydrofluoric acid
Incompatibility (materials to avoid)**:** Acidic Materials and Strong Oxidizers
Hazardous Decomposition or By-products: Not applicable
Hazardous Polymerization: Will not occur

11. Toxicological Information

No data available

12. Ecological Information

No data available

13. Disposal Considerations

Non regulated. Mix with water, allow to harden, then dispose of as common rock.
Dispose of in accordance with all federal, state and local regulations.

14. Transportation Information

For U S National Shipments
Shipping Description: Non regulated
Emergency Response Guide Number: Not applicable
Hazard Class: Not applicable

15. Regulatory Information

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)
CERCLA Reportable Quantity: Not applicable
SARA Title III:
Section 311/312 hazard categories: delayed health, acute health
Section 313 reportable ingredients:

Components	CAS #	Maximum %
Not applicable	—	—

16. Other Information

MSDS Status: Revised
Industrial Abbreviation Legend on page 4 of this MSDS.

Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m^3	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

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