



Helix Vertical Mix

Section 1 Product Description

Product Name: Vertical Mix Powder
 Recommended Use: Cementious Overlay
 Supplier: ChemSystems, Inc. 10101 Genard Road Houston, TX 77041
 P: 713.329.9066 • F: 713.329.9065 www.chemsystemsinc.net
 Emergency Phone: CHEMTRAC 1-800-424-9300

Section 2 Hazard identification

Category 2 Skin Irritant

Category 2B Serious Eye Damage/Eye Irritant

Category 3 Specific Target Organ Acute Toxicity (respiratory system, central nervous system)



Signal Word

Warning

Hazard Statements

H333 - May be harmful if inhaled
 H313 - May be harmful in contact with skin
 H303 - May be harmful if swallowed
 H334 - May cause allergy or asthma symptoms of breathing difficulties if inhaled

Precautionary statements

Prevention:

P264 - Wash thoroughly after handling
 P352 - Wash with soap and water

Note: product may contain small traces of silica below 0.1%
 Use respiratory protection and hazard controls. Use particulate protection.
 Gloves and /or skin protection is recommended.
 Safety glasses or eye protection recommended.

Emergency overview: Immediate or delayed hazard: Exposure of sufficient time to wet Portland cement directly on surface, OR on moist areas of the body to DRY powder cement, can cause serious skin or eye injuries in the form of chemical or caustic burns.

Human Health Hazards: Not to be expected if handled and used properly.

Chronic Health Hazard: Product contains a substance which may have chronic respiratory health hazards including cancer and silicosis. Handle with the proper hazard controls.

Section 3 Composition/ Information on Ingredients

| | <u>CAS #</u> | <u>OSHA PEL(TWA)</u> | <u>ACGIH(TLV-TWA)</u> | <u>Conc. (wt%)</u> |
|-----------------|--------------|----------------------|---------------------------|--------------------|
| Portland Cement | 65997-15-1 | 10 mg/m3 | 10 mg/m3 Total | <50 |
| Silica | 14808-60-7 | .01 mg/m3 | 0.1 mg/m3 Respirable Dust | >50 |

Safety Data Sheet

Section 4 **First Aid Measures**

Emergency First Aid Procedures

Skin: Wash the affected area with water to remove any residue. If irritation develops, get medical attention.

Eyes: Flush eyes with water. May cause irritation. If irritation develops, get medical attention.

Inhalation: Move to fresh air. Seek medical attention if irritation persists.

Ingestion: If irritation develops, get medical attention.

Section 5 **Firefighting Procedures**

Extinguishing Media: Not combustible

Flash Point (TCC): N/A

Flammable Limits (% volume in air for solvents): LEL=N/A UEL=N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

Section 6 **Spill or Leak Procedures**

Steps to Take if Material is Released or Spilled: Sweep or vacuum using good ventilation.

Section 7 **Handling and Storage**

Normal Handling: Always use good industrial hygiene practices and safety guidelines.

Storage: Store in dry area. Keep containers tightly closed when not in use.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: None

Section 8 **Protection Information**

Respiratory Protection: If environment is dusty use NIOSH approved respirator

Ventilation: Provide adequate mechanical ventilation.

Protective Gloves: Rubber gloves recommended.

Eye Protection: Wear tight fitting goggles if area is dusty

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

Section 9 **Physical Data**

Appearance: Powder

Odor: None

Odor Threshold: No data available

pH: N/A

Specific Gravity: N/A

Freezing/Melting Point: N/A

Boiling Point: N/A

Flash Point: N/A

Evaporation Rate: Not determined

Flammability (solid, gas): N/A

Upper/lower Flammability: Not determined

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density: N/A

Solubility in Water: Slightly Soluble

Partition Coefficient: Not determined

Auto-ignition Temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Section 10 **Reactivity Data**

Reactivity: Reacts slowly with water, liberating minimal heat

Conditions to avoid: Acids and Strong Oxidizers

Hazardous decomposition products: N/A

Hazardous Polymerization: Will not occur

Safety Data Sheet

Section 11 Toxicity Data

Carcinogen: No.

Routes of Exposure: Inhalation, eyes, skin and Ingestion.

Acute Toxicity Lethal Doses (ATE): N/A

Health Hazards:

Acute: Wet cement may cause alkali burns and dry the skin. Free silica dust may cause delayed lung injury. Dust may cause eye and nose inflammation.

Chronic: Silica is listed with IARC as a Class 2 carcinogen. Contains silica, which can cause lung damage and cancer. Risk depends upon duration and level of exposure.

Skin Contact: If in contact with moisture, may cause irritation and burns.

Eye Contact: If in contact with moisture, may cause irritation and burns.

Ingestion: May cause irritation to digestive track.

Inhalation: May cause irritation to respiratory tract if inhaled.

Aggravation of Pre-existing Conditions: N/A

Section 12 Ecological Data

Acute Toxicity to Fish: No data available

Acute Toxicity to Aquatic Invertebrates: No data available

Toxicity to Aquatic Plants: No data available

Toxicity to Microorganisms: No data available

Chronic Toxicity to Fish: No data available

Chronic Toxicity to Aquatic Invertebrates: No data available

Persistence and Degradability: No data available

Bioaccumulation Potential: No data available

Mobility in the Soil: No data available

Other Adverse Effects: None established

Section 13 Disposal Information

Waste Disposal Method: Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with all Federal, State, and Local regulations.

Section 14 Transport Information

Proper Shipping Name: N/A

Hazard Class: N/A

UN: N/A

Packing Group: N/A

Marine Pollutant: No

Section 15 Regulatory Information

SARA 311/312: No

CHEMICAL INVENTORIES

All ingredients of this product are listed or are exempt from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Proposition 65: None

Canadian WHMIS Classification: Not classified

Section 16 Additional Information

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.