

MATERIAL SAFETY DATA SHEET

Innovative Concrete Technology Corp.

Updated: 07/07/2004

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Emergency Telephone: 888-296-5236

Section 1 - Product Information

Product name: Deck Mix H2O

Description: Decking material

Synonyms: None

Molecular Formula: N/A

Chemical Family: This product is of a heterogeneous mixture of hydraulic cement and sand.

Section 2 - Hazardous Ingredients

Chemical Name(s):	CAS#	OSHA PEL (dust/cubic meter)	ACGIH TLV-TWA (dust/cubic meter)
White Cement:	65977-15-1	5mg respirable 15mg total	10mg total
Calcium Sulfate	7778-18-9	5mg respirable 15mg total	10mg total
Iron Oxide	1309-37-1	10 mg	5 mg
Calcium Carbonate	1317-65-3	5mg respirable 15mg total	10mg
Manganese Oxide 1309-48-4	1309-48-4	15 mg total	10mg total
Calcium Oxide	1306-78-8	5 mg	2 mg
Crystalline Silica	14808-60-7	10 mg/%SiO ₂ +2	0.5 mg

Section 3 - Physical Properties

Color: White

Appearance: Gray Powder

Odor: none

Evaporation Rate: N/A

Freezing Point: N/A

Specific Gravity: 2.5 – 2.8

PH: In water 12-13

Boiling Point: N/A

Solubility in Water: > 1%

Section 4 - Fire and Explosion Data

Flash Point: N/A

Extinguishing Media: Not Combustible

Fire Fighting Procedures: N/A

Unusual Hazards: There are no known unusual fire or explosion hazards.

Section 5 - Health Effects

Routes of entry for solids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry. May dry and cause alkali burns.

Acute Overexposure Effects: Dust can irritate the eyes and upper respiratory system.

Chronic Overexposure Effects: Dust can cause inflammation of nose interior and eyes. Prolonged exposure to dust may cause silicosis.

First Aid Procedures:

Emergency Information: The product is a cementitious powder blend. When in contact with moisture in eyes or on skin, or when blended with water it becomes highly caustic (pH>12) and will damage or burn the eyes or skin.

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention. Seek immediate medical treatment in the event of burns.

Eyes: Immediately rinse eyes with running water for 15 minutes. Call physician immediately.

Ingestion: If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Inhalation: Remove the person to fresh air. Silica dust may cause cancer based on animal data. Seek medical attention if coughing and other symptoms do not subside. Inhalation of large amounts of the product require immediate medical attention

Section 6 - Reactivity Data

Stability Data: Stable

Incompatibility: Mineral acids

Conditions/Hazards to avoid: Maintain storage temperature at 50-90F.

Hazardous Polymerization: Does not occur.

Hazardous Decomposition: CO, CO₂, Silicon tetrafluoride

Oxidizer Properties: Not an oxidizer.

Section 7 - Personal Protection

Clothing: Gloves, coveralls, apron, and boots as necessary to prevent contact.

Eyes: also wear a face shield if splashing hazard exists.

Respiration: If vapors or mist are generated, wear a NIOSH/MSHA approved mask for silica dust.

Ventilation: N/A

Section 8 - Spill and Leak/Environmental

Spills should be contained and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA.

Waste Disposal: Incinerate or bury as a solid in a licensed facility. Do not discharge into

waterways or sewer systems without proper authority.

Container Disposal: Recommended crushing

Section 9 - Regulatory Information

RCRA Hazardous Waste Number: N/A

CERCLA: No

HAZARD RATING: **Health- 1** **Fire- 1** **Reactivity- 0** **Special: NA**

This product is not a physical hazard or a health hazard according to the OSHA Hazard Communication Standard.

The information contained herein is to our knowledge true and accurate. All recommendations and suggestions are made without guarantee, since the conditions of use are beyond our control.