



# MATERIAL SAFETY DATA SHEET

CEM-REZ T, M, R, HT

## SECTION I

### Product Information and General Information

Product Name: Cem-Rez T, M, R, HT  
Product Class: Sand/Cement Aggregate  
HMIS Codes: H F R P  
3 0 0 F

Date Prepared: 11/10/2009  
24 Hour Emergency Assistance: Chemtrec  
1-800-424-9300

## SECTION II

<u>Product Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Crystalline Silica (Quartz)	14808-60-7	10mg/m <sup>3</sup> %SiO <sub>2</sub> +2	0.05mg/m <sup>3</sup>
Portland Cement	65997-15-1	10mg/m <sup>3</sup> Total Dust	10mg/m <sup>3</sup> Total Dust

## SECTION III

### Physical Data

Appearance-----	Naturally rounded sand. Various sizes.
Odor Characteristic-----	No odor
Specific Gravity-----	>1
Vapor Density-----	N/A
Vapor Pressure-----	N/A
Melting Point-----	3,000°F
Boiling Point-----	4,000°F)
Solubility in Water-----	Insoluble
Evaporation Rate (Butyl Acetate #1)-----	N/A

## SECTION IV

### Fire and Explosion Hazard Data

Flammable Limits: LEL: N/A UEL: N/A  
Flash Point: N/A  
Extinguishing Media: N/A  
Unusual Fire and Explosion Hazards: N/A  
Special Firefighting Procedures: N/A  
0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme

## SECTION V

### **Reactivity Data**

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous decomposition products: None known

Conditions to avoid: None known

Incompatibility (Materials to avoid): Hydrofluoric Acid and powerful oxidizing agents.

## SECTION VI

### **Health Hazard Data**

Routes of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	No	No

Signs and Symptoms of Exposure: Shortness of breath and reduced pulmonary functions.

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?	ARC 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:

Eye Contact: Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.

Skin contact: PROMPTLY wash thoroughly with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists.

Inhalation: Move to fresh air 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 physician. Get medical treatment 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**

### **Spill or Leak Procedures**

Steps to take if 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.

## **SECTION VIII**

### **Safe Handling and Use Information**

Respiratory Protection: 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: To meet PEL requirements.

Mechanical: Adequate to meet PEL requirements.

Special: Non known.

Protective gloves: Recommended.

Eye protection: Recommended.

Other protective 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.

Hygienic practices: Avoid creating and breathing dust.

## **SECTION IX**

### **Shipping Data**

D.O.T. Shipping Name: Sand/Cement Aggregate

D.O.T. Hazard Class: Not Regulated

UN/NA Number: N/A

Reportable Quantity: None

D.O.T. Labels Required: None

Freight Class: 55

## **SECTION X**

### **Disclaimer**

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by this company to be accurate.