

Material Safety Data Sheet

Section-I

General Information

Product Name : Geocement Powder Part-A

Revision Date : November, 2015

Revision Updated : Ver 1

Manufacturer : Kiran Global Chems Ltd.
42-New Avadi Road
Kilpauk, Chennai-600 010
Taminadu, INDIA.

Contact No : 044-42254700

Customer Care: 1800-1211-595

Section-II

Product Composition

Components	Formula/CAS	Percentage	OSHA PEL(mg/m ³)	ACGIH TVL(mg/m ³)
Silica, Amorphous	SiO ₂ /7631-86-9	40- 52	6	10
Silica, Crystalline	SiO ₂ / 14808-60-7	1.5 - 4.0 .	0.1	0.1
Aluminum Oxide	Al ₂ O ₃ /1344-28-1	15.5 - 25.6	15	10
Iron Oxide	Fe ₂ O ₃ /1309-37-1	3.9 - 26.5	10	5
Calcium Oxide	CaO/1305-78-8	15.8 – 25.0	5	2
Magnesium Oxide	MgO/1309-48-4	2.5 – 10.4	10	10
Titanium Oxide	TiO ₂ /13463-67-7	1.0 - 1.9	10	10

Section-III

Physical and chemical characteristics

Appearance & Odor : Fine gray dust with no apparent odor

Boiling Point : N/A

Evaporation Rate : N/A

Vapor Pressure : N/A

Melting Point : >1500°C

Vapor Density : N/A

Solubility in Water : Insoluble

Specific Gravity : 2.0 – 3.0

Section-IV

Fire and Explosion Data

Flash Point : Non-flammable & non-explosive **Extinguishing Method** : N/A
Unusual Fire & Explosion Hazards : N/A

Section-V

Reactivity Data

Stability : Stable **Incompatibility** : None
Hazardous Decomposition or By-Products: None **Conditions to Avoid** : None

Section- VI

Health Hazards

Exposure Routes : Inhalation, Skin Contact, Eye Contact
Acute Health Hazards : Possible irritation of eyes, skin & respiratory system.
Chronic Health Hazards : Prolonged or repeated exposure to excessive levels of crystalline silica may cause silicosis, a fibrosis of the lungs.
Signs & Symptoms of Exposure: Irritation of eyes, skin & mucous membranes of the respiratory system.

Emergency & First Aid Procedures

Skin : Brush away geocement particles. Flush effected area, preferably using soap & water.
Eyes : Do not rub. Flush effected area with water for at least 15 minutes.
Ingestion : Rinse mouth with water. Seek medical attention if necessary.
Inhalation : Remove person to fresh air. Clear nasal passages. If effected person is not breathing, contact emergency medical services and begin standard life support techniques.

Section-VII

Precautions for safe handling and use

Resource Conservation and Recovery Act (RCRA) : Geocement is not considered a hazardous waste under EPA's Resource Conservation and Recovery Act (RCRA). Geocement may be disposed of by adding the material to cement mixtures, and asphalt additives.

In case of spill : Wet geocement with water mist to help reduce airborne concentrations before removal. Remove spilled material with shovel or vacuum, or wash down with water. Do not use compressed air.

Waste Disposal : Cover material to prevent airborne dust and dispose of in a landfill according to federal, state and local regulations for non-hazardous waste.

Storage & Handling Precautions: Avoid conditions which result in dusting and in uncontrolled runoff of rainwater from storage areas. Avoid inhalation of dust.

Section-VIII

Control Measures

Respiratory Protection : NIOSH-approved respirator if exposures approach TLV/PEL.

Protective Gloves : Work or chemical gloves should be used to reduce skin irritation of dust when workers must directly handle the material.

Eye Protection : Goggles or safety glasses should be worn. Eye station should be readily accessible.

Other Protective Equipment : Protective clothing should be worn as necessary for individuals with sensitive Skin to prevent direct skin contact.

Work/Hygienic Practices : Wash hands and face after handling Geocement and before smoking or Consuming food or beverages, apply cosmetics or using toilet facilities. Local Exhaust systems should be employed in confined spaces.

Section-IX

Special Precautions

Handling & Storage : Store in a dry place.

Other : Avoid creating dust. Practice good hand-washing techniques, washing prior to eating and drinking.

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