

Material Safety Data Sheet

Section-I

General Information

Product Name: Geocement Binder Part-B

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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)
Water	7732-18-5	53 (Max)	Not Established	Not Established
Salt of Silicic acid	1344-09-8	45 (Max)	Not Established	Not Established
Additives	Mixture	7 (Max)	Not Established	Not Established

Section-III

Physical and chemical characteristics

Appearance	: Thick Liquid	Color	: Hazy white
Odor	: Odorless to clay	Odor Threshold	: N/A
pH	: 11.5	Specific Gravity	: 1.5 at25°C
Solubility in Water	: Soluble	Boiling Point	: 105°C
Evaporation Rate	: N/A	Vapor Pressure	: N/A
Vapor Density	: N/A	Flash Point	: N/A

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.

Signs & Symptoms of Exposure: Irritation of eyes, skin & mucous membranes of the respiratory system.

Eye contact : Causes moderate irritation to the eyes.

Skin contact : Causes moderate irritation to the skin.

Inhalation : Spray mist is irritating to respiratory system.

Ingestion : May cause irritation to mouth, esophagus, and stomach.

Chronic hazards : No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

Physical hazards : Dries to form glass film which can easily cut skin. Spilled material is very slippery.
Can etch glass if not promptly removed.

Emergency Overview : Clear to hazy, colorless, odorless, thick liquid. Causes moderate eye, skin, and digestive tract irritation. Spray mist causes irritation to respiratory tract. Due to high pH of product, release into surface water is harmful to aquatic life. Noncombustible. Spills are slippery.
Reacts with acids, ammonium salts, reactive metals and some organics.

Emergency & First Aid Procedures

Skin : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention.

Eyes : In case of contact, do not rub, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion : If swallowed, rinse mouth with water. DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water.

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

Personal Protection: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

In case of spill :

Environmental Hazards: Sinks and mixes with water. High pH of this material is harmful to aquatic life. Only water will evaporate from a spill of this material.

Small spill cleanup: Mop up and neutralize liquid, dispose in accordance with federal, provincial and local regulations or permits.

Large spill cleanup: Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent runoff from entering into storm sewers and ditches which lead to natural waterways. Isolate, dike and store discharged material, if possible. Use sand or earth to contain spilled material. If containment is impossible, neutralize contaminated area and flush with large quantities of water.

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 and before smoking or Consuming food or beverages, apply cosmetics or using toilet facilities.

Section-IX

Special Precautions

Storage : Keep containers closed. Store in clean steel or plastic containers. Separate from acids, reactive metals, and ammonium salts. Storage temperature 0-95° C. Loading temperature 45-95 ° C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

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.

Transport Information: This material is not regulated hazardous material for transportation.
