
Safety Data Sheet

SECTION I - PRODUCT IDENTIFICATION

Trade Name: **Instarok Cement**
Product Code: 2010430
Manufacturer: Metalcrete Industries
4133 Payne Avenue
Cleveland, Ohio 44103
Recommended Use: All Purpose Anchoring Compound
Telephone: 1-440-526-5600
Emergency Phone: 1-800-633-8253

SECTION 2 – HAZARDS IDENTIFICATION

Physical hazards: Not classified.
Health hazards: Skin Corrosion / Irritation Category 2
Serious Eye Damage / Irritation Category 1
Skin Sensitization Category 1B
Carcinogenicity Category 1A
Target Organ Systemic Toxicity Category 3 Respiratory Irritation

Label elements:



Signal word: Danger
Hazard statement: Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May cause cancer.

Precautionary statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned: Get medical advice/attention. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 – PRODUCT COMPOSITION

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Chemical Name	CAS Number	Percentage
Portland Cement	65997-15-1	35.0 – 65.0
Calcium Sulfate	10034-76-1	35.0 – 65.0

SECTION 4 – FIRST AID MEASURES

Eyes:	Flush eyes with water for at 15 minutes immediately after exposure. Contact a medical professional.
Ingestion:	Do not induce vomiting. If ingested, contact a physician or poison control center immediately.
Inhalation:	Leave area to avoid dust and breathe fresh air. Seek medical attention is respiratory irritation persists.
Skin:	Wash skin with soap and water. If skin irritation or rash develops, seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash point:	No information available.
Autoignition temperature:	No information available.
Flammable limits in air - Lower (%):	No information available.
Flammable limits in air - Upper (%):	No information available.
Suitable extinguishing media:	This material is non-combustible. Use extinguishing media appropriate to the surrounding area.
Protective equipment for firefighters:	Protective clothing and approved breathing apparatus consistent with normal firefighting professionals and procedures.
Firefighting measures:	This material is not expected to burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Avoid creating excessive dust. Dampen material with water to control dusting. Sweep up and transfer into an appropriate container for disposal. Dispose of this material in accordance with federal, state and local regulations. Do not put down sink as slurry material may plug drains.

SECTION 7 – HANDLING AND STORAGE

Material should be stored in a cool, dry location in a sealed container. When handling this material, avoid inhaling dust and avoid contact with eyes and skin. The use of respirators, goggles, and gloves are recommended protective handling equipment.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION EQUIPMENT

Eye protection:	Wear appropriate eye protection such as safety goggles or face shields. Avoid contact eyes and face while handling this material. If eyes become contaminated, use eye wash station.
Respiratory protection:	Wear appropriate NIOSH approved dust respirator when airborne dust levels exceed threshold limit value as indicated on manufacturer's SDS.
Skin protection:	Wear impervious protective gloves. In addition to protecting hands, make sure suitable protective clothing is worn by material handlers to prevent skin irritation elsewhere on body.
Engineering Controls:	This material should be used in well ventilated areas. Mechanical and local exhausts should be used in poorly ventilated areas.

EXPOSURE LIMITS

Chemical Name	CAS Number	Regulation	Limit	
Portland Cement	65997-15-1	OSHA PEL	5.0 mg/m ³	Respirable Fraction
		OSHA PEL	15 mg/m ³	Total Dust
		ACGIH TWA	10 mg/m ³	
Calcium Sulfate	10034-76-1	OSHA PEL	5.0 mg/m ³	Respirable Fraction
		OSHA PEL	15 mg/m ³	Total Dust
		OSHA TWA	5.0 mg/m ³	Respirable Fraction
		OSHA TWA	15 mg/m ³	Total Dust
		ACGIH TWA	10 mg/m ³	
Crystalline Silica	14808-60-7	OSHA TWA	3.3 mg/m ³	Respirable
		ACGIH TWA	0.025 mg/m ³	Respirable Fraction

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Color:	Gray
Odor:	Odorless
pH:	Approximately 9
Specific gravity:	2.7
Solubility in water:	Slightly soluble

SECTION 10 – STABILITY AND REACTIVITY

Stability:	This material is stable under recommended storage, usage, and handling procedures.
Hazardous Reactions:	Will not occur under normal conditions.
Non-Hazardous Reactions:	This material becomes hard when exposed to water.

SECTION 11 – TOXICOLOGICAL INFORMATIONTOXICOLOGICAL OVERVIEW

Instarok Cement is a gray powder material. Dust in air may irritate respiratory tract and eyes. Do not breathe in dust. Use a respirator while using this product. If overexposed to dust, leave the area immediately to breathe fresh air.

ACUTE HEALTH EFFECTS OF EXPOSURE & ROUTES OF EXPOSURE

Eyes:	Dust may cause eye irritation and abrasion. Flush eyes with water immediately after. Exposure to avoid irritation and possible chemical burns.
Ingestion:	Digesting this material may cause irritation to the mouth, throat, and digestive tract. If ingested, contact your primary care physician immediately.
Inhalation:	Do not breathe in dust. Dust may irritate nose, mouth, and respiratory tract.
Skin:	This material may cause skin irritation. Exposure to the skin may cause cracking, dryness, irritation, or possible chemical burns. Wet portland cement and alkaline contents can cause inflammation of skin.
Carcinogenicity:	Repeated and prolonged exposures to high levels of respirable crystalline silica may cause cancer. Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. May cause eczema-like skin disorders (dermatitis).

SECTION 12 – ECOLOGICAL INFORMATION

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This product is not expected to be hazardous to the environment; however release of this product into surface waters or other natural ecosystems should be avoided.

Component Data:

CAS # 10034-76-1: LC50 Fish, Fathead Minnow, Acute, >1970 mg/l, 96 hours OECD SIDS

SECTION 13 – DISPOSAL CONSIDERATION

Material disposal method: Disposal of this material should comply with federal, state, and local regulations. Do not discharge into drains or groundwater runoff.

Container disposal method: Disposal of this material's packaging should comply with federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

USDOT: NOT REGULATED, NON-HAZARDOUS

NMFC: Class 50

Commodity: Hydraulic Cement

SECTION 15 – REGULATORY INFORMATION

FEDERAL REGULATIONS

SARA 311/312: Hazard Categories for SARA 311/312 Reporting: Yes

SARA 313: This product contains no chemicals that are subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372)

TSCA Registration: All components are either listed or exempt from the Toxic Substance Control Act inventory.

OSHA Regulations: This product is not a substance specifically regulated by OSHA (29 CFR 1910.1001-1050). This product contains "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

STATE REGULATIONS

State RTK	Chemical Name	CAS Number
MA, NJ, PA	Portland Cement	65997-15-1
MA, NJ, PA	Calcium Sulfate	10034-76-1
MA, NJ, PA	Crystalline Silica	14808-60-7

CA PROPOSITION 65: This material contains chemicals to cause cancer, birth defects, and/or other reproductive harm.

SECTION 16 – OTHER INFORMATION

HMIS Rating	
Health	2
Flammability	0
Physical Hazard	0

0 = Essentially no danger

1 = Slight danger

2 = Moderate danger

3 = Serious danger

4 = Extreme danger

Further consideration: Some components of Instarok Cement are considered hazardous by OSHA's Standards but Instarok Cement is generally considered a safe material for routine use. When Instarok Cement is used responsibly it is not considered a dangerous material. Components of Instarok Cement are used to make concrete floors, roads, bridges, buildings, and other infrastructure around the world that we intimately use every day.

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