Safety Data Sheetype I S Cement

Section 1. Identification

GHS product identifier: Chemical name:	Portland slag cement Calcium compounds, calcium silicate compounds, and other calcium compounds containing iron and aluminum make up the majority of this product.
Other means of identification:	Slag cement, Portland blast-furnace slag cement, Type IS, Blended hydraulic cement, CSA Type GUb, GULb, MSb, MSLb, HEb, HELb, LHb, LHLb, HSb, HSLb
Relevant identified uses of the substance or mixture and uses advised against:	Building materials, construction, a basic ingredient in concrete.
Supplier's details:	300 E. John Carpenter Freeway, Suite 1645 Irving, TX 75062 (972) 653-5500
Emergency telephone number (24 hours):	CHEMTREC: (800) 424-9300

Section 2. Hazards Identification

Overexposure to portland slag cement can cause serious, potentially irreversible skin or eye damage in the form of chemical (caustic) burns, including third degree burns. The same serious injury can occur if wet or moist skin has prolonged contact exposure to dry portland slag cement.

OSHA/HCS status:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the	SKIN SENSITIZATION – Category 1; H317
substance or mixture:	CARCINOGENICITY – Category 1A; H350
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3; H335
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 1; H372
	SKIN CORROSION/IRRITATION – Category 2; H315
	SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1; H318

GHS label elements

Hazard pictograms:

Signal word: Hazard statements:	Danger Causes severe skin burns and 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. Use outdoors in a well ventilated area. Wash any exposed body parts thouroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.Contaminated clothing must not be allowed out of the workplace.
Response:	If exposed or concerned: Immediately get medical advice/attention if you feel unwell or irritation or rash occurs. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cotinuously with water for several minutes. Remove contact lenses, if present and easy to do. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do not induce vomiting.
Storage:	Restrict or control access to stockpile areas (store locked up). Engulfment hazard: To prevent burial or suffocation, do not enter a confined space, such as a silo, bulk truck or other storage container or vessel that stores or contains portland slag cement without an effective procedure for assuring safety. Store in a well ventilated area. Keep container tightly closed.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazards not otherwise classified	5

(HNOC):

Supplemental Information:

Respirable Crystalline Silica (RCS) may cause cancer. Repeated inhalation of respirable crystalline silica (quartz) may cause lung cancer according to IARC and NTP; ACGIH states that it is a suspected cause of/carlogy (attractions rof1RCS9(etg.,/troby categode addite)) reation and the present or formed under cert Re lao -04 (t)3.3 (o)13.7 (ba)013.7 (o)-146i2.1seanceed cau

Most important symptoms/effects, acute and delayed potential acute health effects

Eye contact:

Causes serious eye damage.

Large spill:

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with

Magnesium oxide Calcium sulfate (gypsum)	3 (/ PJP,) TRatal Brust MSHA PEL (United States) PEL: 5 PJP,) RUP 5 HVSLUDEOH IUDFWLRQ PEL: 10 PJP,) RUP 7 RWDOGXVW ACGIH TLV (United States and Canada) TWA: PJP, KRXUV) RUP,QKDODEOH IUDFWLRQ OSHA PEL (United States) TWA: 15 PJ P8, hours. Form: Total particulates ACGIH TLV (United States, Canada) TWA: PJP, KRXUV) RUP,5 HVSLUDEOH UDFWLRU
	OSHA PEL Z-1 (United States) TWA: 5 P J P8 hours. Form: Respirable fraction 7 : \$ P J P, KIRokinUTvotal dust
Crystalline Silica (Quartz) (CAS 14808 -60-7)	 ACGIH TLV (United States) 7:\$ PJ P,) R U P 5 H V S L U D E O H I U D F W L R Q OSHA PEL (United States) 7:\$ PJ P,) R U P 5 H V S L U D E O H MSHA PEL (United States) TWA: 10/(%SiO2 + 2) in mg/m3 Provincial Exposure Limits (Canada, various) f Alberta (OHS Code) 0.025 P J P8 hour TWA f British Columbia (WorkSafeBC OHS Regulation) 0.025 P J P8 hour TWA f British Columbia (Health, Safety & Reclamation Code, Mines Act) 0.1 P J P8 hour TWA f Manitoba (Workplace Safety and Health Regulation) 0.025 P J P8 hour TWA f New Brunswick 0.025 P J P8 hour TWA f Newfoundland 0.025 P J P8 hour TWA f Nova Scotia 0.025 P J P8 hour TWA f Ontario (O. Reg 490/09; and O. Reg. 833) 0.1 P J P8 hour TWA f Prince Edward Island 0.025 P J P8 hour TWA f Quebec (Regulation Respecting OHS, Chapter S- 2.1, r. 13) 0.1 P J P8 hour TWA f Saskatchewan (OHS Regulations) 0.05 P J P8 hour TWA
Appropriate engineering controls:	

Classification below:

Product/ingredient name	OSHA	IARC	ACGIH	NTP
Cement, portland, chemicals	-	-	A4	-
Crystalline Silica (Quartz) (CAS 14808-60-7)	Listed	1	A2	Known to be a human carcinogen.

Reproductive toxicity:

Section 12. Ec ological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Calcium oxide	Chronic NOEC 100 mg/L Fresh water	Fish-Oreochromis niloticus-Juvenile (Fledgling, Hatchling, Weanling)	46 days

Persistence and degradability:	There are no data available.
Bioaccumulative potential:	There are no data available.
Mobility in soil:	Soil/water partition coefficient (Koc): Not available.
Other adverse effects:	No known significant effects or critical hazards.
Na a3.7 (f)u4.4 (pa)ho.3 (e)13.7 (13.7	(i4.4 (pa)yT)3.3 (f) (e .1 (sq si)3.6uen)13.7 v)16 (sm)9.1 (s:)]TJ E3 ()]Td/IECITw 8.52 -0 0 8.52 300 ET2 02 d [3D
Section 13. Di2 186tii2 1de	ai(D)1 DSeq 3()/Artifact <

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Notice to reader

While the information provided in this safety data sheet is believed to provide a useful summary of the hazards of this portland slag cement as it is commonly used, the sheet cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with this portland slag cement to produce portland slag cement products. Users should review other relevant material safety data sheets before working with this portland slag cement or working on related portland slag cement products.

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