



MATERIAL SAFETY DATA SHEET

Product name: CG 200 PC Cementitious Grout
Description: Portland cement based construction grout
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Portland Cement	65997-15-1	10 mg/m ³ (T)	15 mg/m ³ (T); 5 mg/m ³ (R)	NE
Silicon Dioxide (sand)	14808-60-7	0.1mg/m ³ (R)	0.1mg/m ³ (R)	NE
Gypsum	13397-24-5	10 mg/m ³ (T)	15 mg/m ³ (T); 5 mg/m ³ (R)	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable. (R) indicates "as respirable dust".

PHYSICAL DATA

Appearance:	Gray sandy powder.	Odor:	No odor.
Vapor Density:	Not applicable.	Vapor Pressure:	Not applicable.
Boiling Point:	Not applicable.	VOC Content:	None.
Evaporation Rate:	Not applicable.	Solubility in Water:	Nil.
Specific Gravity:	3.1	pH:	Not determined.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Extinguishing Media:	Not applicable.		
Special Fire Fighting Procedures:	None known.		
Unusual Fire and Explosion Hazards:	None known.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong acids.		
Decomposition Products:	None expected.		
Conditions to Avoid:	Contact with strong acids can cause violent exothermic reactions evolving toxic gases/vapors (depending on type of acid).		

HEALTH HAZARD DATA

Known Hazards:	Alkaline material; contact with the skin or the eyes can cause irritation or alkali burns. Excess exposure to dusts by inhalation for extended periods of time may result in the development of pulmonary diseases including pneumoconiosis such as silicosis.
Routes of Exposure:	Dermal. Inhalation.
Signs and Symptoms of Exposure:	Alkalis, when mixed (with water) or when dry product comes in contact with moist skin, can cause irritation and possibly chemical burns. Prolonged and repeated exposure to the hands can lead to drying of the skin and dermatitis. Exposure to dusts can lead to breathing difficulty.

Carcinogenicity:	IARC classifies crystalline silica (quartz sand) as a Gp I carcinogen based upon evidence among workers in industries where there has been long-term and chronic exposure (via inhalation) to silica dust; e.g. mining, quarry, stone crushing, refractory brick and pottery workers. The nature and intended use of this product does not pose a cancer risk from silica. A properly fitted and NIOSH-approved dust mask will greatly reduce the potential for exposure to silica if dusts are generated during mixing.
Medical Conditions Aggravated by Exposure:	Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water. Call a physician if symptoms occur.
Skin:	Wash with soap and water.
Inhalation:	Move victim to fresh air. Call a physician if symptoms persist.
Ingestion:	Not normally a route of exposure. Give plenty of water to drink. Seek medical attention. Do not induce vomiting unless directed by a physician.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Safety glasses with side shields. Goggles recommended.
Skin Protection:	Gloves recommended; cotton gloves are suitable in most cases.
Respiratory Protection:	None normally required with adequate ventilation as noted above. Use a NIOSH-approved dust mask when working in areas where dust is being generated.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid contact with eyes, skin, or clothing. Wash hands after handling. Store in a dry location.
Spill Procedures:	Sweep up and discard.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
HMIS Codes:	Health 2, Flammability 0, Reactivity 0, PPE A
DOT Shipping Name:	Not regulated.
ICAO / IATA Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product does not contain any toxic chemicals which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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