




MSDS CELEC®		
 PROTECEM SU CONEXION CONFIABLE A TIERRA	DATE: 05 MARCH 2015	CODE: MSDS-001/Rev.3
	MADE BY: PROTECEM S.A	
SECTION 1: PRODUCT AND COMPANY		
TRADE NAME	:	CELEC ®
GENERIC NAME	:	Conductive Concrete
CHEMICAL NAME	:	Non metallic Mineral Mixtures
MANUFACTURER	:	Protecem S.A.
NIT	:	900.091.889-4
ADDRESS	:	Calle 37 No 17-37 C.C. Omnicentro Ofc. 2-8
EMAIL	:	gerencia@cementocelec.com gerencia@protecem.com
PHONE	:	(57) (7) 6802373
CITY	:	Bucaramanga-Santander
COUNTRY	:	Colombia
SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS		
1. Hydrated aluminum silicates 2. Carbon 3. Crystalline silica (quartz and silica powder)		
SECTION 3: HAZARD IDENTIFICATION		
ACUTE HEALTH EFFECTS	:	Transient upper respiratory illness, or eye irritation.
CHRONIC HEALTH EFFECTS	:	Not available.
All approved respirators should be selected, fitted, used, and maintained in accordance with MSHA , OSHA, and other applicable regulations. Compliance with NIOSH Institute for Occupational Safety and Health.		
		
GATEWAY (S) ELEMENTARY (S)	:	Inhalation, dust contact with eyes.
INHALATION	:	Dusts may: irritate the respiratory pathway, produce sneezing and shortness of breath after remaining beyond the recommended exposure limits.
INGESTION	:	Ingestion of large amounts may cause gastrointestinal irritation and blockage.
SKIN CONTACT	:	Exposure to dry material may cause burns to the arms and hands, dry material exposure may cause skin dryness followed by mild irritation. The dry material which comes into contact with wet skin or exposure to moisture or humid material may cause more severe skin effects, including thickening, cracking or crazing of the skin.
EYE CONTACT	:	May cause minor eye irritation. Direct contact with a greater amount of wet material may cause effects ranging from moderate eye irritation to chemical burns or blindness.
SKIN ABSORPTION	:	Not applicable
SECTION 4: FIRST AID MEASURES		
INHALATION	:	Move the person to a fresh air environment and well ventilated. Attempt to clear the dust, that is in the throat or nasal passages.
INGESTION	:	Do not induce vomiting. Give drink plenty of water (if the person is conscious). Find medical attention immediately.
SKIN CONTACT	:	Wash the skin with cool water and pH-neutral soap avoiding contact with electrical conductors and terminals. find medical treatment in all cases of prolonged direct exposure to wet cement, cement mixtures, liquids emanating from fresh cement products, or prolonged exposure of the skin wet to dry cement.
EYE CONTACT	:	Rinse immediately with clean water with eyelids open for 15 minutes. Do not attempt to remove material from the eye. Contact a physician if irritation persists or later develops.
SKIN ABSORPTION	:	Not applicable

SECTION 5: FIRE FIGHTING MEASURES	
FLASH POINT (METHOD)	: Not Flammable
CLASSIFICATION OF LIQUID FUEL/ FLAMMABLE NFPA	: Not Applicable
FLAMMABLE LIMITS	: LEL: Not Aplicable UEL: Not Aplicable
AUTOIGNITION TEMPERATURE	: Not Applicable
EXTINGUISHING MEDIA	: Not applicable
EXPLOSION OR UNUSUAL FIRE	: Not Applicable
FIRE FIGHTING PROCEDURES	: Not Applicable
SPECIAL FIRE	: Not Applicable
SECTION 6: ACCIDENTAL RELEASE MEASURES	
Use dry clean up methods that do not disperse in the air. Avoid any action that allows the suspension of dust in the air, avoid inhalation and skin contact by using protective gloves and preferably nasal. Scrape up wet material with dielectric shovel (Non-sparking)	
SECTION 7: HANDLING AND STORAGE	
The product should be kept on a dry locations (pallets) until ready for use. Do not handle or store this material near food and beverages. Store in a clean, dry place.	
SEGREGATION HAZARD CLASSES STORAGE	: Not applicable
STORAGE/ HANDLING SPECIAL	: Repair all broken bags immediately
SPECIAL CONTROLS ENGINEERING WORKPLACE	: Adequate ventilation to keep dust level below the LPP
SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION	
EYE PROTECTION	: Always wear safety glasses with side viscera(dust goggles). Should be worn when or anticipated excessive dust conditions (visible). Do not wear contact lenses when working with this product.
SKIN PROTECTION	: Impervious protective gear should be worn such as gloves, shoes and clothing to prevent skin contact.
RESPIRATORY PROTECTION	: use the appropriate respiratory protective equipment.
VENTILATION	: Use sufficient natural or mechanical ventilation to keep dust level below LPP.
	Other: Special Considerations: "Risk of short circuit: Avoid use in sites or areas with energized equipment, AVOID CONTACT WITH PRODUCT PREFORMED TERMINALS, TRANSFORMER BUSHINGS, POLYMERIC INSULATORS , LOADBREAK ELBOW. NOT USE NEARLY DEVICES WITH CARD ELECTRONIC.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE AND ODOR	: Appearance and Odor: Fine, gray, odorless.
BOILING POINT	: Not applicable.
EVAPORATION RATE (=1)	: Not applicable.
VAPOR PRESSURE	: Not applicable.
MELTING POINT	: Not determined
WATER SOLUBILITY (%)	: Insoluble
VAPOR DENSITY (AIR = 1)	: Not applicable.
TYPYR OF CONDUCTION	: Electronic + Ionic
SECTION 10: STABILITY AND REACTION	
CHEMICAL STABILITY	: Stable under ordinary conditions of low use and storage
CONDITIONS TO AVOID	: Avoid static discharge, sparks, open flame, heat or other sources of ignition.
INCOMPATIBILITY WITH OTHER MATERIALS	: Strong oxidizing agents such as gasoline and derivatives
THERMAL DECOMPOSITION PRODUCTS	: Not Applicable

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION : Inhalation of dust may cause irritation of the respiratory tract
INGESTION : Ingestion of large amounts can cause vomiting
SKIN CONDITIONS : None.
EFFECTS ON THE EYES : Irritation can persist after long hours of manipulation
LONG- TERM EFFECTS : Not applicable.

The product has no known toxic effects.

SECTION 12: ECOLOGICAL INFORMATION

Generally considered chemically inert in the environment, material used that has been contaminated can have very different characteristics according to their pollutant and should be evaluated accordingly. Leachate tested under Regulation 558/00 of Ontario (Canada).

SECTION 13: DISPOSAL CONSIDERATIONS

No dispose of material in a dump or any other area, that does not accomplish with the strict laws and regulations of proper disposal.

SECTION 14: TRANSPORT INFORMATION

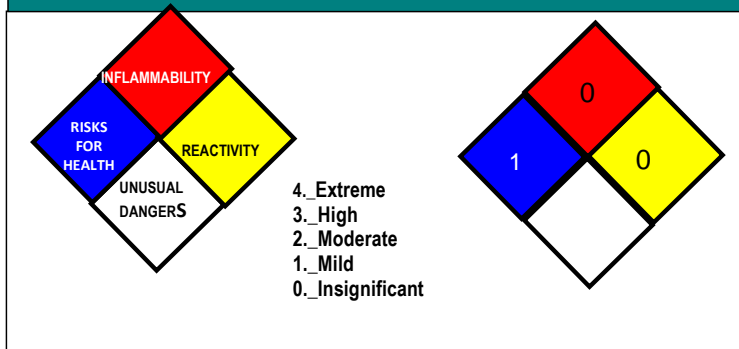
This product does not require any special transport. Please refer to shipping regulations for additional information.

SECTION 15: REGULATORY INFORMATION

This MSDC complies with the normative laws set by the United States and Canada.

SECTION 16: OTHER INFORMATION

NFPA HAZARD SYMBOL



WWW.CONCRETECELEC.CO