



CELEC® SAFETY DATA SHEET

DATE OF REALIZATION:

JULY 25, 2019

CARRIED OUT BY:

CELEC DE COLOMBIA S.A.S.

CODE:

MSDS-001 /REV.00

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION.

TRADENAMES : CELEC®
GENERIC NAME : Conductive concrete for grounding systems
CHEMICAL NAME : Mixture of nonmetallic minerals
MAKER : Celec de Colombia S.A.S.
NIT : 901.304.717-6
ADDRESS : Centro Comercial Omnicentro oficina 2-3
E-MAIL : gerencia@cementocelec.com
PHONE : (57) (7) 6802373
CITY : Bucaramanga-Santander
COUNTRY : Colombia

2. COMPOSITION AND INFORMATION OF INGREDIENTS.

1. Hydrated aluminum silicates.

2. Carbon

3. Crystalline Silice (Quartz and Sprayed Silice)

3. HAZARD IDENTIFICATION.

HEALTH EFFECTS (ACUTES) : Transient upper respiratory disease or eye irritation.

HEALTH EFFECTS (CHRONIC): : Non existent

All approved respirators must be selected, equipped, used and maintained, in accordance with MSHA. OSHA and other applicable regulations. They must comply with NIOSH (NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH).



PRIMARY ENTRY ROUTE (S) : Inhalation, dust contact with eyes.

INHALATION : The dust can irritate the respiratory tract, produce sneezing and shortness of breath after remaining beyond the limits of the recommended exposure.

INGESTION : Ingestion of large amounts may cause gastrointestinal irritation and blockage.

SKIN CONTACT	Exposure to dry material can cause burns to the arms and hand. Exposure to the material may cause skin dryness followed by mild irritation. Dry material that is in contact with wet skin or exposure to wet or wet material may cause more severe skin effects, including thickening, cracking or cracking of the skin.
EYE CONTACT	May cause minor eye irritation. Direct contact with a larger amount of wet material can cause effects ranging from moderate eye irritation to chemical burns or blindness.
SKIN ABSORPTION	: Not applicable.
4. FIRST AID MEASURES.	
INHALATION	: Move the person to an environment with fresh and ventilated air. Clear the dust that is in the throat or in the airways. Consult the doctor.
INGESTION	: Do not induce vomiting, give plenty of water to drink (if the person is conscious). Seek medical help immediately.
SKIN CONTACT	Wash the skin with fresh water and neutral pH soap, avoiding contact with terminals and electrical conductors. Seek medical treatment in all cases of prolonged direct exposure to wet cement, cement mixtures, liquids emanating from fresh cement products or prolonged exposure to wet skin to dry cement.
EYE CONTACT	Rinse immediately with plenty of clean water and with eyelids open for 15 minutes. Do not attempt to remove any material from the eye to contact a doctor if irritation persists or appears later.
SKIN ABSORPTION	: Not applicable.
5. FIRE-FIGHTING MEASURES.	
FLAMMABILITY TEMPERATURE	: Non-flammable
NFPA FUEL / FLAMMABLE LIQUID CLASSIFICATION	: Not applicable.
FLAMMABLE LIMITS	: LEL: Not applicable UEL: Not applicable
SELF-INFLAMMATION TEMPERATURE	: Not applicable.
EXTINGUISHING MEDIA	: Not applicable.
HAZARDS OF EXPLOSION OR UNUSUAL FIRE	: None
FIRE FIGHTING OR FIGHTING PROCEDURES	: Wear the appropriate special protective equipment.
SPECIAL FIRE:	: None
6. ACCIDENTAL RELEASE MEASURES.	
Use dry cleaning methods that do not disperse the dust in the air. Avoid any action that allows the suspension of the dust in the air, avoid inhalation and contact with the skin, used nasal protector and preferably dielectric gloves, scrape the wet material with a non-sparking blade, place the dry material in the bin intended for this purpose .	
7. HANDLING AND STORAGE.	
The product must be kept dry until it is used. Do not handle or store this material near food and drinks. Store in a clean and dry place.	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION.

EYE PROTECTION	: At a minimum, protective glasses with side visors must be worn. Dust-proof goggles should be worn when there is or anticipates excessive dust conditions (visible). Do not wear contact lenses when working with this product.
SKIN CARE	: Waterproof protective items such as gloves should be used. Shoes and clothes to avoid skin contact.
RESPIRATORY PROTECTION	: When dust or silica levels exceed or are likely to exceed appropriate exposure limits, observe the MSHA or OSHA regulations, as appropriate, to wear appropriate respiratory protective equipment.
VENTILATION	: Use sufficient natural or mechanical ventilation to keep the dust level below LPP.



RISK OF SHORT CIRCUIT AND / OR EXPLOSION: AVOID USING IN ENCLOSURES OR AREAS WITH ENERGIZED EQUIPMENT. Avoid contact of the product with pre-molded terminals, transformer bushings, insulators, polymers, connection elbows (pad mounted). Do not use near computers with electronic cards.

9. PHYSICAL AND CHEMICAL PROPERTIES

PEARANCE AND ODOR	: Fine powder, gray, no smell.
BOILING POINT	: Not applicable
EVAPORATION RATE (= 1)	: Not applicable
VAPOR PRESSURE	: Not applicable
MELTING POINT	: Undetermined
WATER SOLUBILITY (%)	: Soluble
VAPOR DENSITY (AIR = 1)	: Not applicable
TYPE OF DRIVING	: Electronic + Ionic

10. STABILITY AND REACTION.

Chemically stable under conditions of use and storage.

Conditions to avoid: Avoid discharging static, sparks, heat or other source of ignition.

11. DISPOSAL CONSIDERATIONS.

Do not wash the material by draining it into the sump.

Dispose of waste materials strictly observing the applicable laws and regulations in force.

12. ECOLOGICAL INFORMATION.

Inert product with the environment. Meets leachate regulations **ONTARIO REGULATION 558/00**

13. DISPOSITION INFORMATION.

Do not throw the material in places that do not comply with the current final disposition provisions.

14. TRANSPORTATION INFORMATION.

This product requires special transportation. Please refer to the shipping regulations for additional information.

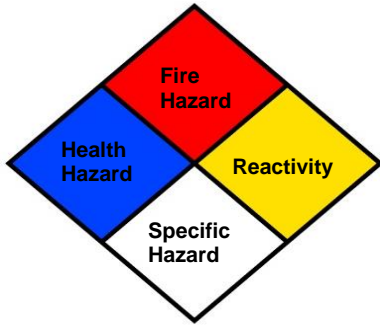
15. REGULATORY INFORMATION

This safety sheet complies with the regulatory laws of the United States and Canada.

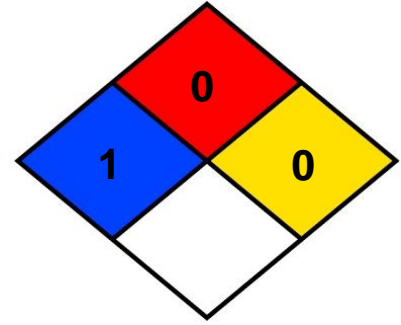
16. OTHER INFORMATION.

On the date of preparation of this document, accurate information is provided and provided in good faith in accordance with applicable law (s) in the United States and Canada.

NFPA HAZARDOUS SYMBOL



- 4. Extreme
- 3. High
- 2. Moderate
- 1. Mild
- 0. Insignificant



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