



Ebonex Ebofix Grout

Safety Data Sheet




1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Vector Ebonex Ebofix Grout
APPLICATION: Cementitious grout for Ebonex impressed current cathodic protection system
COMPANY: Vector Corrosion Technologies
474B Dovercourt Drive, Winnipeg, Manitoba, Canada, R3Y 1G4
TELEPHONE: +1-204-489-9611

2. HAZARD IDENTIFICATION

CLASSIFICATION: Skin Irritation, Category 2 May cause skin irritation
Serious Eye Damage/Irritation, Category 1 Causes serious eye damage/eye irritation.
Skin Sensitization, Category 1 May cause an allergic skin reaction
Carcinogenicity (Inhalation), Category 1A
Specific Target Organ Toxicity – Single Exposure Category 3 May cause respiratory irritation.

LABEL ELEMENTS: **Hazard Pictograms:**

	Corrosion (for corrosive damage to metals as well as skin, eyes)		Exclamation mark (may cause less serious health effects or damage the ozone layer)		Health Hazard (Carcinogen, mutagenicity, respiratory sensitizer, reproductive, target organ and aspiration toxicity)
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Signal Word: Danger

Hazard Statements:

H315 / Causes serious eye damage.
H317 / May cause an allergic skin reaction.
H318 / Causes serious eye damage.
H335 / May cause respiratory irritation.
H350 / May cause cancer by inhalation

Precautionary Statements:

P260 / Do not breathe dust or mist.
P280 / Wear protective gloves/protective clothing/eye protection/face protection.
P301/P330/P331 / IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P302/P313/P333/P352 / IF ON SKIN (or hair):Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261/P304/P312/P340 / IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
P305/P338/P351 / IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 / Immediately call a poison control center or doctor/physician.

OTHER HAZARDS: None





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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EC #	Classification	Concentration %	Symbols
Cement, Portland	65997-15-1	266-043-4	Skin Irritation, 2, H315, Eye Damage, 1, H318 STOT-SE, 3, H335, Skin Sensitization, 1, H317	>5 <30	Xi
Sand, Silica Quartz	14808-60-7	238-878-4	STOT RE 2; H373i	>65 <90	SiO2

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt. Refer to Section 8 for Occupational Exposure Limits

4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

- EYES:** Immediately wash eyes with plenty of eyewash solution or running water, hold eyelids apart for 15 minutes. Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Always seek further specialist medical/eye specialist attention to check that all particles have been removed.
- SKIN:** Wash immediately with copious quantities of soap and water for several minutes. Remove contaminated clothing and/or shoes immediately. Obtain medical advice if skin disorders develop.
- INHALATION:** Move to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention if irritation persists or later develops or if discomfort, coughing or other symptoms persist.
- INGESTION:** Rinse out mouth with water. Do NOT induce vomiting. Obtain medical attention urgently.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

- SYMPTOMS:** Gastrointestinal discomfort
Cough
Respiratory disorder
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.
- RISKS:** Health injuries may be delayed.
Corrosive effects
Irritant effects
May cause cancer by inhalation

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

- TREATMENT:** Treat symptomatically

5. FIRE FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:** Product is not combustible. Dry chemical, CO2, water spray or regular foam surrounding fire.
- HAZARDOUS COMBUSTION PRODUCTS:** Product is not combustible.
- ADVICE FOR FIREFIGHTERS:** Wear full protective clothing and self-contained breathing apparatus approved for firefighting.
- FURTHER INFORMATION:** Standard procedure for fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS:** Wear rubber boots in addition to the recommended personal protective equipment. Avoid breathing dust.
- ENVIRONMENTAL PRECAUTIONS:** Prevent entry into drains, sewers and water courses
- METHODS FOR CLEANING UP:** Avoid the creation of dust in atmosphere. Gather into suitable container.





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7. HANDLING AND STORAGE

- HANDLING:** Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.
- STORAGE:** Store in cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

Components	CAS-No	Value	Control Parameters	Basis
Cement, Portland	65997-15-1	TWA	10 mg/m ³	GB EH40
		TWA	4 mg/m ³	GB EH40
Quartz (SiO ₂) <5µm	14808-60-7	TWA	10 mg/m ³	GB EH40

ENGINEERING CONTROL MEASURES: Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

PERSONAL PROTECTIVE EQUIPMENT: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Change contaminated clothing immediately and clean before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE:** Powder
- COLOUR:** Light grey/brown
- ODOUR:** Odourless
- ODOUR THRESHOLD:** Not applicable
- pH (working dilution):** >11
- BOILING POINT/RANGE (°C):** Not applicable
- MELTING POINT/RANGE (°C):** Not applicable
- EVAPORATION RATE:** Not applicable
- FLASH POINT (closed, °C):** Not applicable
- AUTO-IGNITION TEMP (°C):** Not applicable
- IGNITION TEMP (°C):** Not applicable
- OXIDIZING PROPERTIES:** Not applicable
- VAPOUR PRESSURE:** Not applicable
- LOWER EXPLOSION LIMIT (Vol-%):** Not applicable
- UPPER EXPLOSION LIMIT (Vol-%):** Not applicable
- FLAMMABILITY (Solid/gas):** Not applicable
- RELATIVE DENSITY (AT 20°C):** 3.0
- WATER SOLUBILITY:** Insoluble
- VISCOSITY :** Not applicable



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10. STABILITY AND REACTIVITY

REACTIVITY:	Reacts with acids.
CHEMICAL STABILITY:	The product is chemically stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Stable under recommended storage conditions.
CONDITIONS TO AVOID:	Contact with acids.
INCOMPATIBLE MATERIALS:	Acids, ammonium salts, aluminum or other noble metals.
HAZARDOUS DECOMPOSITION PRODUCTS:	None

11. TOXICOLOGICAL INFORMATION

SKIN CORROSION/IRRITATION:	Prolonged contact in combination with abrasion may cause severe burns.
EYE DAMAGE/IRRITATION:	Severe irritation. Causes irreversible damage to eye tissue if not removed promptly.
RESPIRATORY OR SKIN SENSITIZATION:	May cause mild to severe dermatitis.
GERM CELL MUTAGENICITY:	No data available.
CARCINOGENICITY:	May cause cancer by inhalation. IARC Group 1: Carcinogenic to humans Quartz (SiO ₂) <5µm 14808-60-7 NTP Known to be human carcinogen Quartz (SiO ₂) <5µm 14808-60-7
REPRODUCTIVE TOXICITY:	No data available.
INHALATION:	Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.
REPEATED EXPOSURE:	Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL ASSESSMENT:	Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.
TOXICITY:	No data available for the product.
PERSISTENCE / DEGRADABILITY:	No data available for the product.
BIOACCUMULATIVE POTENTIAL:	No data available for the product.
MOBILITY IN SOIL:	No data available for the product.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local, regional, and national legislation.	
UNUSED PRODUCT:	Dispose of in an approved manner
USED/CONTAMINATED PRODUCT:	Dispose of in an approved manner
PACKAGING:	The method of disposal must be acceptable to the local authority.





Ebonex Anode Safety Data Sheet

14. TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS
SPECIFIC FOR THE SUBSTANCE OR MIXTURE: No data available for the product.

16. OTHER INFORMATION

May 1, 2020. All sections revised, new format.

This SDS has been prepared to meet U.S. Osha Hazard Communication Standard, 29 CFR 1910.1200 and Canada’s Workplace Hazardous Materials Information System (WHMIS) Requirements.

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Vector Corrosion Technologies.

If this product has been purchased for supply to a third party for use at work, it is the purchaser’s duty to take all necessary steps to ensure any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

The information in the Safety Data Sheet was obtained from sources we believe are reliable. The information, however, is provided without any representation or warranty, expressed or implied regarding the accuracy or correctness.

The condition or methods of handling, storage, use and disposal of the product are beyond our control. We do not assume responsibility and expressly disclaim liability for loss, damage or exposure arising out of or in any way connected with the handling, storage, use or disposal of the product.

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