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WATER CUT-OFF GROUT

Material Data Safety Sheet

SECTION 1 - IDENTIFIER

Product Identifier **WATER CUT-OFF GROUT**
 Product Use Mining and Engineering projects requiring a sanded cementitious grout.

Manufacturer	Supplier
Multicrete Systems Inc.	Multicrete Systems Inc.
Unit 9-106 De Vos Road	Unit 9-106 De Vos Road
Winnipeg MB R3T 5Y1	Winnipeg MB R3T 5Y1
Emergency Telephone No.	Emergency Telephone No.
(204)262-5900	(204)262-5900

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS number	LD	LC	TLV
Portland Cement, giving		65997-15-1	n/a	n/a	10mg/cu-m
Calcium oxide	0.3-1.0	1305-78-8	n/a	n/a	
Calcium Silicates	45-60	-	n/a	n/a	
Condensed Silica Fume	5-15	-	n/a	n/a	6mg/cu-m

Also contains non-hazardous plasticising and water reducing admixtures

SECTION 3 - PHYSICAL DATA

Physical State	Solid		
Odour/Appearance	Grey powder, no odour		
Vapour Pressure	n/a	Vapour Density	n/a
Evaporation Rate	n/a	Boiling Point	n/a
Freezing Point	n/a	pH	10-12
Specific Gravity	2.8-3.0	Coeff. Water/Oil Dist.	n/a

SECTION 4 - FIRE & EXPLOSION

Flammability	Not flammable	Means of Extinction	n/a
Flashpoint	n/a	Upper/Lower Flam. Limit	n/a
Autoignition Temp.	n/a	Hazardous Comb. Prod.	None
Explosion Data			
Sensitivity to Impact	none		
Sensitivity to Static Discharge	none		
Not flammable, but exposure to high temp. can cause thermal decomposition of plastics			



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SECTION 5 - REACTIVITY DATA

Chemical Stability	Stable
Incompatibility with other Substances	Inorganic Acids
Reactivity, and under what conditions	Reacts with inorganic acids, giving carbon dioxide gas

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry

Skin Contact	Yes	Skin Absorption	Yes	Eye Contact	Yes
Inhalation	Yes	Ingestion	Yes		

Effects of Acute Exposure to Product

Irritation of eyes and upper respiratory tract.
Caustic burns to skin and eyes can occur if contact is prolonged.

Effects of Chronic Exposure to Product

Cement dust can cause inflammation of eyes and nasal passages.
Prolonged contact under moist conditions can cause caustic burns.
Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

Exposure Limits

10 mg total dust m3 for a work shift of up to 10 hours per day, 40 hours per week.

Irritancy of Product

Dust can irritate eyes and upper respiratory tract. Skin irritation can occur under moist or wet conditions.

Sensitization to Product

Hypersensitive reaction may cause allergic dermatitis.

Carcinogenicity

NTP	IATC Monographs	OSHA Regulate
no	no	no

Teratogenicity

n/a Reproductive Toxicity n/a

Mutagenicity

n/a Synergistic Products None known

SECTION 7 - PREVENTION MEASURES

Personal Protective Equipment

Where the prevention of dust is unavoidable, use conventional NIOSH approved or equivalent respiratory protection equipment based on considerations of airborne concentration and duration of exposure.

Gloves

Impervious to moisture



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SECTION 7 - PREVENTION MEASURES (CONTINUED)

Eye Use appropriate eye protection to minimize contact with dust from dry product, or with wet product after mixing with water.

Other Wear appropriate clothing and footwear for the specific application. Clean clothing which has become dusty.

Engineering Controls

Use adequate ventilation. Do not permit dust to accumulate in work area.

Leak and Spill Procedure

If uncontaminated, collect for reuse or disposal. Use dustless procedures. If contaminated, use appropriate method and container for contaminant.

Waste Disposal

If uncontaminated, dispose as a non-metallic mineral. If contaminated, use appropriate method for contaminant in accordance with applicable regulations.

Handling Procedures and Equipment

Avoid creation of respirable dust if possible. Use adequate ventilation and dust collection. Avoid contact with wet product during use.

Storage Requirements

Store in a dry place

Special Shipping Info

Protect from moisture

SECTION 8 - FIRST AID MEASURES

Eyes Flush with running water for at least 15 minutes. Obtain medical attention.

Skin Wash with soap and water. For caustic burns to skin, consult a doctor.

Ingestion Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.

Gross of

of Dust Remove to fresh air. Give oxygen with artificial respiration as needed. Dust Obtain medical attention for treatment, observation and support as needed.

WATER CUT-OFF GROUT

Prepared by Multicrete Systems Inc., Quality Control Department

Phone no. (204) 262-5900

Date August, 2010

The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information given is based on technical data that we believe to be reliable. Because conditions of use are outside our controls, it is the responsibility of the user to verify safety data for the combinations with other materials, or for use in specific processes.