



MATERIAL SAFETY DATA SHEET

Product Identifier:

Hardener [Packaged Materials]

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product identification: HARDENER [Packaged Materials]			
PIN/ UN No: N/AV		MSDS Number: 2016	
Molecular Weight: N/AV			
Chemical Name: Mixture			
Chemical Family: Cement Containing Product		Chemical Formula: N/AV	
Pest Control Product (PCP #): N/AV		Stock Number: N/AV	
Product Group: Level / Hardener			
Product Use: Grout		Synonyms: Cementitious Grout	
WHMIS Classification: D2 E		Means of Classification: CLASS. BY MANUFACTURER	
Manufacturers Name: Basalite Concrete Products, Vancouver, ULC.		Suppliers Name: Basalite Concrete Products, Vancouver, ULC.	
Street Address: 1280 W. 77th Avenue		Street Address: 1280 W. 77th Avenue	
City: Vancouver	Province: BC	City: Vancouver	Province: BC
Postal Code: V6P 3G8	Emergency Telephone No. 604-269-2120	Postal Code: V6P 3G8	Emergency Telephone No. 604-269-2120
Comment: Ask for Rocky Pantiluk or the Director Loss Control			

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredients	% Ratio	CAS Number: PIN Number:	Test: Related Information:	Value:
Calcium Silicates	10 - 30	N/AV	N/AP	N/AV
	W/W	N/AV	N/AV	
Calcium Oxide	0.1 - 1.0	1305 - 78 - 8	N/AP	N/AV
	W/W	N/AV	N/AV	
Magnesium Oxide	0.1 - 1.0	1309 - 48 - 4	N/AP	N/AV
	W/W	N/AV	N/AV	
Crystalline Quartz	40 - 60	14808 - 60 - 7	N/AV	N/AV
	W/W	N/AV	N/AV	



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SECTION 3 - PHYSICAL DATA

Odour & Appearance: Grey-white powder with characteristic mild odour.			
Physical State: SOLID		Odour Threshold: N/AV	
Freezing Point (°C): N/AP		Boiling Point (°C): N/AP	
Vapour pressure (mm Hg): N/AP	Vapour Density (Air=1) N/AP	Percent Volatile: N/AP	Evaporation Rate: N/AP
pH: 12 - 13 (Cement)	Specific Gravity: 3.15 Cement	Coeff. Water/ Oil Distribution: N/AV	Percent Soluble (@ 20°C): <1%

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, under which conditions? N/AP		
Extinguishing Media: Sand may be used to extinguish Class A and B fires.			
Special Fire Fighting Procedures: N/AP			
Unusual Fire and Explosion Hazards: None.		Auto-Ignition temperature (°C): N/AP	
Flashpoint (°C) and method: N/AP N/AP	Upper flammability limit (% by volume) : N/AP		Lower flammability limit (% by volume) : N/AP
Hazardous Combustion Products: N/AP			
Explosion data: Sensitivity to impact: N/AP		Sensitivity to static discharge: N/AP	

SECTION 5 - REACTIVITY DATA

Chemical stability: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Comment: None.		
Incompatibility with other substances: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Comment: Contact with powerful oxidizing agents such as fluorine, chlorine, trifluoride, manganese trioxide, oxygen difluoride may cause fires.		
Reactivity, and under what conditions: No.			
Hazardous polymerization: No. Will not occur.			
Hazardous decomposition products: Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas - silicon tetrafluoride.			



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SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: Skin Contact <input checked="" type="checkbox"/>	Skin Absorption: <input type="checkbox"/>	Eye Contact: <input checked="" type="checkbox"/>	Inhalation: <input type="checkbox"/>	Ingestion: <input type="checkbox"/>
<p>Effects of acute exposure to product:</p> <p>EYE CONTACT: Can irritate eyes. (Alkali burns)</p> <p>INHALATION: Can irritate nose & throat. The cement dust may cause inflammation.</p> <p>SKIN CONTACT: Can dry skin. Wet concrete mix may cause alkali burns.</p> <p>NIOSH has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air averaged over a work shift of up to 10 hours per week. The NIOSH Criteria Document for Crystalline Silica should be consulted for more detailed information.</p> <p>Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short period of heavy exposure in certain occupations such as sandblasting. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.</p>				
<p>Effects of chronic exposure to product:</p> <p>Cement dust may cause inflammation of the Cornea of the eye and of the tissue lining on the inside of the nose.</p>				
<p>Exposure Limits:</p> <p>TWA: 10 mg/M3 Cement Dust</p> <p>Others: The TWA is for Cement Dust in the air.</p> <p>STEL: N/AV</p> <p>C: N/AV</p> <p>OSHA PEL: N/AV</p> <p>ACGIH TLV: N/AV</p>				
Carcinogen by NTP: N/AV	Carcinogen by IARC N/AV	OSHA Controlled: N/AV		
<p>Irritancy:</p> <p>EYES: Can irritate eyes.</p> <p>SKIN: Can dry skin and cause rashes.</p> <p>INHALATION: Can irritate nose & throat.</p>				
<p>Sensitization: Some people may be very sensitive to this product; skin rash might develop. (Allergic Dermatitis)</p>				
Carcinogenicity: N/AV				
Teratogenicity: N/AV		Reproductive Toxicity: N/AV		
Mutagenicity: N/AV		Synergistic Products: N/AV		



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SECTION 7 - PREVENTATIVE MEASURES

Personal Protective Equipment:		
Gloves (specify): Rubber or PVC when the mix is wet.	Respirator (specify) NIOSH/MSHA approved Dust Mask, when the mix is dry.	Eye (specify) Tight fitting goggles.
Footwear (specify): Boots that will not soak up wet mix and will be impervious to wet or dry mix.	Clothing (specify) That will keep the powder or the wet mix off skin.	Other (specify) Barrier creams should be applied PRIOR TO contact with product. Wash with soap and water after working with cement containing products.
Engineering controls: VENTILATION: Local exhaust to control airborne dust levels below 10 mg/M3 TWA (cement dust).		
Leak & Spill Procedures: AVOID BREATHING DUST. Use dry cleanup methods that do not send dust into the air.		
Waste Disposal: Dispose of as common waste in accordance with applicable Federal, Provincial, and local environmental regulations.		
Handling Procedures and Equipment: Avoid inhaling large quantities of the dust. Avoid prolonged skin contact with product.		
Storage Requirements: Take normal precautions against bag breakage or spills of bulk material. Avoid creation of respirable dust.		
Special Shipping Information: Keep dry.		

SECTION 8 - FIRST AID MEASURES

Specific Measures:
INHALATION: Get person to fresh air. Seek immediate medical advice.
EYE CONTACT: Irrigate with water for at least 15 minutes, until no trace of product remains. Consult physician immediately.
SKIN CONTACT: Wash exposed areas with soap and water. If skin is burnt, see Doctor.
INGESTION: Drink copious amounts of water. Do not induce vomiting. Seek immediate medical attention.

SECTION 9 - PREPARATION DATE OF MSDS



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Prepared By: (Group, Department, Etc.) Rocky D. Pantiluk, A.Sc. T. Basalite Concrete Products, Vancouver, ULC. 1280 W.77th Avenue Vancouver, BC V6P 3G8	Phone Number: 604 – 269 – 2120	Date: 06 / 05 / 24 (yy/ mm/ dd)
Workplace MSDS Transcribed by: Laura Voci Basalite Concrete Products, Vancouver, ULC. 1280 W.77th Avenue Vancouver, BC V6P 3G8	Phone Number: 604 – 269 – 2120	Date: 06 / 05 / 24 (yy/ mm/ dd)

The information in the MSDS is believed to be accurate at the time of preparation, but no guarantees are given.