



MATERIAL SAFETY DATA SHEET

Product Identifier:

Pier Grout

SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: Pier grout			
PIN/ UN No: N/AV		MSDS Number: 108	
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: Grout			
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.	
Emergency Telephone No.		Postal Code: V6P 3G8	
604 – 269 – 2120		Emergency Telephone No.	
604 – 269 – 2120		604 – 269 – 2120	

SECTION 2 HAZARDOUS INGREDIENTS

Hazardous Ingredients	% Ratio	CAS Number: PIN Number:	Test: Related Information:	Value:
Calcium Silicates	15 - 40 W/W	N/AV N/AV	N/AP N/AV	N/AV
Calcium Oxide	7 - 13 W/W	1305 - 78 - 8 N/AV	N/AP N/AV	N/AV
Magnesium Oxide	3 - 7 W/W	1309 - 48 - 4 N/AV	N/AP N/AV	N/AV
Amorphous Silica	5 - 10 W/W	7631 - 86 - 9 N/AV	N/AP N/AV	N/AV

Sodium Naphthalenesulfonate -	0.1 - 1.0	9084 - 06 - 4	N/AP	N/AV
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formaldehyde	W/W	N/AV	N/AV	
Silica (SiO ₂)	15 - 40	14080 - 69 - 7	N/AV	N/AV
	W/W	N/AV	N/AV	N/AV
Alumina (Al ₂ O ₃)	10 - 30	7429 - 90 - 5	N/AV	N/AV
	W/W	N/AV	N/AV	
Iron Oxide (Fe ₂ O ₃)	7 - 13	1309 - 37 - 1	N/AV	N/AV
	W/W	N/AV	N/AV	
Magnesium Oxide (MgO)	1 - 5	1309 - 04 - 4	N/AV	N/AV
	W/W	N/AV	N/AV	
Potassium Oxide (K ₂ O)	1 - 5	1310 - 58 - 3	N/AV	N/AV
	W/W	N/AV	N/AV	

SECTION 3 PHYSICAL DATA

Odour & Appearance: **Grey- white powder with a 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/AV**

Vapour Density (Air=1): **N/AP**

Percent Volatile: **N/AP**

Evaporation Rate: **N/AP**

pH: **Cement 12 - 13**

Specific Gravity: **Cement 3.15**

Coeff. Water/ Oil Distribution: **N/AV**

Percent Soluble (@ 20 °C): **<1%**

SECTION 4 FIRE AND EXPLOSION DATA

Flammability: YES NO

If yes, under which conditions? **N/AP**

Extinguishing Media: **N/AP**

Special Fire Fighting Procedures: **N/AP**

Unusual Fire and Explosion Hazards: **N/AP**

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**



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Hazardous Combustion Products: **CO₂, HO₂, SO₂**

Explosion data:

Sensitivity to static discharge: **N/AP**

Sensitivity to impact: **N/AP**

SECTION 5 REACTIVITY DATA

Chemical stability: YES NO

Comment: **Keep dry until used.**

Incompatibility with other substances: YES NO

If so, which ones? **N/AP**

Reactivity, and under what conditions: **YES. When mixed with water it produces a caustic solution (pH 12 to 13).**

Hazardous polymerization: **YES. Avoid powerful oxidizers: Fluorine, Chlorine, Trifluoride, Trioxide.**

Hazardous decomposition products: **None.**

SECTION 6 TOXICOLOGICAL PROPERTIES

Route of Entry:

Skin Pier

Skin Absorption:

Eye Pier:

Inhalation:

Ingestion:

Effects of acute exposure to product:

INHALATION: Irritating to upper respiratory system. Cement dust can inflame nasal tissue.

EYE PIER: Can irritate eyes. Cement dust can cause inflammation of the cornea.

SKIN PIER: Can dry skin. Wet mix may cause alkali burns.

Effects of chronic exposure to product:

Cement dust may cause inflammation of the cornea of the eye and of the tissue lining the inside of the nose.

Exposure Limits:

TWA: **10 mg/M3 Port. Cement**

Other:

STEL: **N/AV**

C: **N/AV**

OSHA PEL: **N/AV**



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ACGIH TLV: N/AV		
Carcinogen by NTP: N/AV	Carcinogen by IARC: N/AV	OSHA Controlled: N/AV
Irritancy: EYES: Can irritate the eyes. SKIN: Can dry the skin and cause rashes. INHALATION: Can irritate the nose & throat.		
Sensitization: Some people might develop a skin rash (Allergic Dermatitis).		
Carcinogenicity: YES. Free Crystalline SiO₂ - I.A.R.C. Div 2A		
Teratogenicity: N/AV	Reproductive Toxicity: N/AV	
Mutagenicity: N/AV	Synergistic Products: N/AV	
Medical Conditions Aggravated by Exposure: N/AV		

SECTION 7 PREVENTATIVE MEASURES

Personal Protective Equipment:		
Gloves (specify): Impervious.	Respirator (specify): Dust mask approved by NIOSH/MSHA.	Eye (specify): Tight-fitting goggles.
Footwear (specify): Impervious to moisture.	Clothing (specify): Cover all exposed skin.	Other (specify): Barrier creams should be applied PRIOR TO pier with the product. Suggest shower with soap and water after working with cement containing products -- practice good personal hygiene habits.
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 prolonged pier with wet cement. Avoid breathing dust. Wear appropriate personal protective equipment.		
Storage Requirements: Do not freeze.		
Special Shipping Information: Keep dry.		



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SECTION 8 FIRST AID MEASURES

Specific Measures:

INHALATION: Move person to fresh air. If person has difficulty breathing, seek medical advice.

EYE PIER: Irrigate with water for at least 15 minutes, until no trace of product remains. If irritation develops or persists, consult physician.

SKIN PIER: Wash with soap and water.

INGESTION: Drink large amounts of water. Do not induce vomiting, seek medical attention.

SECTION 9 PREPARATION DATE OF MSDS

Prepared By: (Group, Department, Etc.)
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Phone Number:
604 – 269 – 2120

Date: 09 / 03 / 05
(yr / mm / dd)

Workplace MSDS Transcribed by:
Laura Voci
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Vancouver, BC
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Date: 09 / 03 / 05
(yr / mm / dd)

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