



MATERIAL SAFETY DATA SHEET

Product Identifier:

Basalite Cement

SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: Basalite Cement			
PIN/ UN No: N/AV		MSDS Number: 1004	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: Cement
Product Use: Premixed concrete product (Dry)		Synonyms: N/AP	
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 West 77th Avenue		Street Address: 1280 West 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

SECTION 2 HAZARDOUS INGREDIENTS

Hazardous Ingredients	% Ratio	CAS Number: PIN Number:	Test: Related Information:	Value:
Calcium Silicates	40 – 70 W/W	N/AV N/AV	N/AP N/AV	N/AV
Calcium Oxide	1 – 5 W/W	1305-78-8 N/AV	N/AP N/AV	N/AV
Magnesium Oxide	0.5 – 1.5 W/W	1309-48-4 N/AV	N/AP N/AV	N/AV
Silica (SiO ₂)	10 – 30 W/W	14808-60-7 N/AV	N/AV N/AV	N/AV
Alumina (Al ₂ O ₃)	5 – 10 W/W	7429-90-5 N/AV	N/AV N/AV	N/AV
Iron Oxide (Fe ₂ O ₃)	5 – 10 W/W	1309-37-1 N/AV	N/AV N/AV	N/AV
Magnesium Oxide (MgO ₂)	0.5 – 1.5 W/W	1309-04-4 N/AV	N/AV N/AV	N/AV
Potassium Oxide (K ₂ O)	0.1 – 1.0	1310-58-3	N/AV	N/AV



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W/W

N/AV

N/AV

SECTION 3 PHYSICAL DATA

Odour & Appearance: **Grey/White powder / mile, earthy odour**

Physical State: **Solid**

Odour Threshold: **N/AP**

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**

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

Percent Soluble: **< 1%**

SECTION 4 FIRE AND EXPLOSION DATA

Flammability:

YES ☐ NO ☒

If yes, under which conditions?

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**

Upper flammability limit (% by volume): **N/AP**

Lower flammability limit (% by volume): **N/AP**

Hazardous Combustion Products: **CO₂, H₂O, SO₂**

Explosion data: **N/AP**

Sensitivity to impact: **N/AP**

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

SECTION 5 REACTIVITY DATA

Chemical stability: YES ☒ NO ☐

If no, under which conditions?

Incompatibility with other substances:

If so, which ones?

YES ☐ NO ☐

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

Hazardous decomposition products: **N/AP**



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SECTION 6 TOXICOLOGICAL PROPERTIES

Route of Entry: Skin Contact ☒	Skin Absorption: ☐	Eye Contact: ☒	Inhalation: ☒	Ingestion: ☐
Effects of acute exposure to product: Inhalation: Irritating to upper respiratory system. Cement dust can inflame nasal tissue. Eye contact: Can irritate eyes. Cement dust could cause inflammation to the cornea. Skin contact: Can dry skin and wet mix may cause alkali burns.				
Effects of chronic exposure to product: Cement dust can cause inflammation of the Cornea of your eye, and the tissue lining on the inside of the nose.				
Exposure Limits: TWA: 10mg/M3 Port. Cement Other: STEL: N/AV C: N/AV OSHA PEL: N/AV 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. Breathed in: Can irritate the nose & throat.				
Sensitization: Some people might develop a skin rash. (Allergic Dermatitis)				
Carcinogenicity: Yes - Free Crystalline SiO2-L.A.R.C-Division 2A				
Teratogenicity: N/AV			Reproductive Toxicity: N/AV	
Mutagenicity: N/AV			Synergistic Products: N/AV	
Medical Conditions Aggravated by Exposure: May aggravate open sores or dermatitis. Fine dust may aggravate asthma and other breathing conditions.				

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 expose skin.	Other (specify) Barrier creams should be applied PRIOR TO contact with 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 10mg/M3 TWA (cement dust).		



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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 contact with wet cement. Avoid breathing dust. Wear appropriate personal protective equipment.**

Storage Requirements: **Do not freeze.**

Special Shipping Information: **Keep dry.**

SECTION 8 FIRST AID MEASURES

Specific Measures: **Inhalation: Move person to fresh air. If person has difficulty breathing, seek medical advice.**

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

Skin contact: Wash with soap and water.

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

SECTION 9 PREPARATION DATE OF MSDS

Prepared By: (Group, Department, Etc.)

Rocky D. Pantiluk, A.Sc.T.

Basalite Concrete Products Vancouver, ULC.

1280 West 77th Avenue

Vancouver, BC V6P 3G8

Phone Number:

(604) 269 – 2120

Date: 06 / 05 / 18

(yr / mm / dd)

Workplace MSDS Transcribed by:

Laura Voci

Basalite Concrete Products Vancouver, ULC.

1280 West 77th Avenue

Vancouver, BC V6P 3G8

Phone Number:

(604) 269 – 2120

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