



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Basalite Cement

### SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: <b>Basalite Cement</b>			
PIN/ UN No: <b>N/AV</b>	MSDS Number: <b>1004</b>	Molecular Weight: <b>N/AV</b>	
Chemical Name: <b>Mixture</b>			
Chemical Family: <b>Cement containing product,</b>		Chemical Formula: <b>N/AV</b>	
Pest Control Product (PCP #) : <b>N/AV</b>	Stock Number: <b>N/AV</b>	Product Group: <b>Cement</b>	
Product Use: <b>Premixed concrete product (Dry)</b>		Synonyms: <b>N/AP</b>	
WHMIS Classification: <b>D2 E</b>		Means of Classification: <b>Class. By Manufacturer</b>	
Manufacturers Name: <b>Basalite Concrete Products Vancouver, ULC.</b>		Suppliers Name: <b>Basalite Concrete Products Vancouver, ULC.</b>	
Street Address: <b>1280 West 77<sup>th</sup> Avenue</b>		Street Address: <b>1280 West 77<sup>th</sup> Avenue</b>	
City: <b>Vancouver</b>	Province: <b>BC</b>	City: <b>Vancouver</b>	Province: <b>BC</b>
Postal Code: <b>V6P 3G8</b>	Emergency Telephone No. <b>604 – 269 – 2120</b>	Postal Code: <b>V6P 3G8</b>	Emergency Telephone No. <b>604 – 269 – 2120</b>

### SECTION 2 HAZARDOUS INGREDIENTS

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



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	W/W	N/AV	N/AV	
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### SECTION 3 PHYSICAL DATA

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

Physical State: <b>Solid</b>		Odour Threshold: <b>N/AP</b>	
Freezing Point (°C): <b>N/AP</b>		Boiling Point (°C): <b>N/AP</b>	
Vapour pressure (mm Hg): <b>N/AP</b>	Vapour Density (Air=1): <b>N/AP</b>	Percent Volatile: <b>N/AP</b>	Evaporation Rate: <b>N/AP</b>
pH: <b>12 – 13 (Cement)</b>	Specific Gravity: <b>3.15</b>	Coeff. Water/ Oil Distribution: <b>N/AP</b>	Percent Soluble: <b>&lt; 1%</b>

### SECTION 4 FIRE AND EXPLOSION DATA

Flammability: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, under which conditions?		
Extinguishing Media: <b>N/AP</b>			
Special Fire Fighting Procedures: <b>N/AP</b>			
Unusual Fire and Explosion Hazards: <b>N/AP</b>		Auto-Ignition temperature (°C): <b>N/AP</b>	
Flashpoint (°C) and method: <b>N/AP</b>	Upper flammability limit (% by volume): <b>N/AP</b>	Lower flammability limit (% by volume): <b>N/AP</b>	
Hazardous Combustion Products: <b>CO2, H2O, SO2</b>			
Explosion data: <b>N/AP</b>		Sensitivity to static discharge: <b>N/AP</b>	
Sensitivity to impact: <b>N/AP</b>			

### SECTION 5 REACTIVITY DATA

Chemical stability: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If no, under which conditions?		
Incompatibility with other substances: YES <input type="checkbox"/> NO <input type="checkbox"/>	If so, which ones?		
Reactivity, and under what conditions: <b>When mixed with water, it produces a caustic solution (pH 12 to 13)</b>			
Hazardous decomposition products: <b>N/AP</b>			



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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 checked="" type="checkbox"/>	Ingestion: <input type="checkbox"/>
Effects of acute exposure to product: <b>Inhalation: Irritating to upper respiratory system. Cement dust can inflame nasal tissue.</b> <b>Eye contact: Can irritate eyes. Cement dust could cause inflammation to the cornea.</b> <b>Skin contact: Can dry skin and wet mix may cause alkali burns.</b>				
Effects of chronic exposure to product: <b>Cement dust can cause inflammation of the Cornea of your eye, and the tissue lining on the inside of the nose.</b>				
Exposure Limits: TWA: <b>10mg/M3 Port. Cement</b> Other: STEL: <b>N/AV</b> C: <b>N/AV</b> OSHA PEL: <b>N/AV</b> ACGIH TLV: <b>N/AV</b>				
Carcinogen by NTP: <b>N/AV</b>		Carcinogen by IARC: <b>N/AV</b>		OSHA Controlled: <b>N/AV</b>
Irritancy: <b>Eyes: can irritate the eyes. Skin: Can dry the skin and cause rashes. Breathed in: Can irritate the nose &amp; throat.</b>				
Sensitization: <b>Some people might develop a skin rash. (Allergic Dermatitis)</b>				
Carcinogenicity: <b>Yes - Free Crystalline SiO<sub>2</sub>-L.A.R.C-Division 2A</b>				
Teratogenicity: <b>N/AV</b>			Reproductive Toxicity: <b>N/AV</b>	
Mutagenicity: <b>N/AV</b>			Synergistic Products: <b>N/AV</b>	
Medical Conditions Aggravated by Exposure: <b>May aggravate open sores or dermatitis. Fine dust may aggravate asthma and other breathing conditions.</b>				

### SECTION 7 PREVENTATIVE MEASURES

Personal Protective Equipment:		
Gloves (specify): <b>Impervious</b>	Respirator (specify) <b>Dust mask approved by NIOSH/MSHA.</b>	Eye (specify) <b>Tight fitting goggles.</b>
Footwear (specify): <b>Impervious to moisture.</b>	Clothing (specify) <b>Cover all expose skin.</b>	Other (specify) <b>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.</b>
Engineering controls: <b>Ventilation: Local exhaust to control airborne dust levels below 10mg/M3 TWA (cement dust).</b>		



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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.)

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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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Phone Number:

(604) 269 – 2120

Date: 09 / 03 / 05

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