



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microfine Cement

### SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: <b>Basalite Microfine Cement</b>			
PIN/ UN No: <b>N/AV</b>		MSDS Number: <b>N/AV</b>	
		Molecular Weight: <b>N/AV</b>	
Chemical Name: <b>Mixture</b>			
Chemical Family: <b>Cement Containing Product</b>		Chemical Formula: <b>N/AP</b>	
Pest Control Product (PCP #) : <b>N/AV</b>		Stock Number: <b>N/AV</b>	Product Group: <b>Cementitious Grout</b>
Product Use: <b>Grout</b>		Synonyms: <b>Cementitious Grout</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 W. 77th Avenue</b>		Street Address: <b>1280 W. 77th 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: ACGIH TLV-TWA	Test: OSHA PEL-TWA
<b>Calcium Silicates</b>	<b>60 - 80 W/W</b>	<b>various</b>	<b>10 mg total dust/m3</b>	<b>15 total dust/m3 5 mg respirable dust/m3</b>
<b>Gypsum</b>	<b>3 – 7 W/W</b>	<b>7778-18-9</b>	<b>10 mg total dust/m3</b>	<b>15 total dust/m3 5 mg respirable dust/m3</b>
<b>Crystalline Silica</b>	<b>Less than 0.1 W/W</b>	<b>14808-60-7</b>	<b>0.10 mg respirable quatz/m3  NIOSH REL (8-hour TWA) = 0.05 mg respirable quatz dust/m3</b>	<b>(10 mg respirable dust/m3)/(percent silica + 2)</b>



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microfine Cement

Calcium Carbonate	1 - 5 W/W	1317-65-3	10 mg total dust/m <sup>3</sup>	15 total dust/m <sup>3</sup> 5 mg respirable dust/m <sup>3</sup>
Calcium Oxide	0.5 – 1.5 W/W	1305–78-8	2 mg total dust/m <sup>3</sup>	15 total dust/m <sup>3</sup>
Magnesium Oxide	1 - 3 W/W	1309-48-4	10 mg total dust/m <sup>3</sup>	15 total dust/m <sup>3</sup>

### Trace Elements:

Portland cement is made from materials mined from the earth and is processed using energy provided by fuels. Trace amounts of chemicals, some of which may be potentially harmful, might be detected during chemical analysis. For example, in addition to the ingredients listed above, Portland cement may contain potassium and sodium sulphate compounds, chromium compounds (including 0.003% hexavalent chromium) and nickel compounds.

## SECTION 3 PHYSICAL DATA

Odour & Appearance: **Grey powder with characteristic mild odour.**

Physical State: **POWDER**

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: **Cement 3.15**

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

Percent Soluble (@ 20 °C): **N/AP**

Others:

## SECTION 4 FIRE AND EXPLOSION DATA

Flammability: **N/AP**

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:

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

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

**N/AP**

**N/AP**

Hazardous Combustion Products: **N/AP**



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microfine Cement

Explosion data:

Sensitivity to impact: **N/AP**

Sensitivity to static discharge: **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: **Will not occur**

Hazardous decomposition products: **Will not spontaneously occur. Adding water results in hydration and produces (caustic) calcium hydroxide.**

### SECTION 6 TOXICOLOGICAL PROPERTIES

Route of Entry:  
Skin Contact

Skin Absorption:

Eye Contact:

Inhalation:

Ingestion:

Effects of acute exposure to product:

**EYES: Can irritate eyes. Cement dust can cause inflammation to cornea.**

**INHALATION: Can cause irritation to upper respiratory system. Cement dust can inflame nasal tissue.**

**SKIN: Can dry skin. Wet concrete mixes may cause alkali burns.**

Effects of chronic exposure to product:

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

Exposure Limits:

TWA: **See section 2**

Other:

STEL: **N/AV**

C: **N/AV**

OSHA PEL: **See section 2**

ACGIH TLV: **N/AV**

Carcinogen by NTP: **N/AV**

Carcinogen by IARC: **N/AV**

OSHA Controlled: **N/AV**

Irritancy:

**EYES: Can irritate eyes.**



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microfine Cement

**SKIN:** Can dry skin and cause rashes.

**INHALATION:** Can irritate nose & throat.

Sensitization: **Some people may be extremely sensitive to product; contact may result in skin rash (Allergic Dermatitis).**

Carcinogenicity: **YES. Free Crystalline SiO<sub>2</sub> - I.A.R.C. Div 2A**

Teratogenicity: **N/AV**

Reproductive Toxicity: **N/AV**

Mutagenicity: **N/AV**

Synergistic Products: **N/AV**

## SECTION 7 PREVENTATIVE MEASURES

Personal Protective Equipment:

Gloves (specify): **Impervious.**

Respirator (specify): **NIOSH/MSHA approved Dust Mask.**

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 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 5 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 national 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.**



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microfine Cement

### SECTION 8 FIRST AID MEASURES

Specific Measures:

**EYES:** Flush with water for at least 15 minutes until no trace of product remains. If irritation develops or persists, consult physician.

**SKIN:** Wash with soap & water.

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

**INGESTION:** Drink copious amounts of water. Do not induce vomiting. Seek immediate medical attention.

### SECTION 9 PREPARATION DATE OF MSDS

Prepared By: (Group, Department, Etc.) <b>Rocky D. Pantiluk, A.Sc.T.</b> <b>Basalite Concrete Products Vancouver, ULC.</b> <b>1280 W.77th Avenue</b> <b>Vancouver, BC</b> <b>V6P 3G8</b>	Phone Number: <b>604 – 269 – 2121</b>	Date: <b>09 / 03 / 06</b> (yr / mm / dd)
Workplace MSDS Transcribed by: <b>Laura Voci</b> <b>Basalite Concrete Products Vancouver, ULC.</b> <b>1280 W.77th Avenue</b> <b>Vancouver, BC</b> <b>V6P 3G8</b>	Phone Number: <b>604 - 269 – 2120</b>	Date: <b>09 / 03 / 06</b> (yr / mm / dd)

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