



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microsil 1107 Grout

### SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: <b>Microsil 1107 Grout [Packaged Materials]</b>			
PIN/ UN No: <b>N/AV</b>		MSDS Number: <b>108</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>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: Related Information:	Value:
<b>Calcium Silicates</b>	<b>15 - 40</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>7 - 13</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>3 - 7</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>Amorphous Silica</b>	<b>5 - 10</b> <b>W/W</b>	<b>7631 - 86 - 9</b> <b>N/AV</b>	<b>N/AP</b> <b>N/AV</b>	<b>N/AV</b>



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



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Flashpoint (°C) and method: <b>N/AP</b> <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>CO<sub>2</sub>, HO<sub>2</sub>, SO<sub>2</sub></b>		
Explosion data: Sensitivity to impact: <b>N/AP</b>		Sensitivity to static discharge: <b>N/AP</b>

### SECTION 5 REACTIVITY DATA

Chemical stability: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Comment: <b>Keep dry until used.</b>
Incompatibility with other substances: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If so, which ones? <b>N/AP</b>
Reactivity, and under what conditions: <b>YES. When mixed with water it produces a caustic solution (pH 12 to 13).</b>	
Hazardous polymerization: <b>YES. Avoid powerful oxidizers: Fluorine, Chlorine, Trifluoride, Trioxide.</b>	
Hazardous decomposition products: <b>None.</b>	

### 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 can cause inflammation of 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 may cause inflammation of the cornea of the eye and of the tissue lining the inside of the nose.</b>				

Exposure Limits:



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TWA: **10 mg/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.**

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

Sensitization: **Some people might develop a 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**

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 contact 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.**



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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 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 W. 77th Avenue**  
**Vancouver, BC**  
**V6P 3G8**

Phone Number:  
**604 – 269 – 2120**

Date: **09 / 03 / 05**  
(yr / 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**

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