



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Microsil Shotcrete - Accelerated

### SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: **Microsil Shotcrete - Accelerated [Dry Products]**

PIN/ UN No: **N/AV**

MSDS Number: **2015**

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: **Shotcrete**

Product Use: **As shotcrete plain.**

Synonyms: **Gunite**

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**

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City: **Vancouver**

Province: **BC**

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Province: **BC**

Postal Code: **V6P 3G8**

Emergency Telephone No.  
**604 – 269 – 2120**

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### SECTION 2 HAZARDOUS INGREDIENTS

Hazardous Ingredients	% Ratio	CAS Number: PIN Number:	Test: Related Information:	Value:
<b>Calcium Silicates</b>	<b>10 -30 W/W</b>	<b>N/AV N/AV</b>	<b>N/AP N/AV</b>	<b>N/AV</b>
<b>Calcium Oxide</b>	<b>0.1 - 1.0 W/W</b>	<b>1305 - 78 - 8 N/AV</b>	<b>N/AP N/AV</b>	<b>N/AV</b>
<b>Magnesium Oxide</b>	<b>0.1 - 1.0 W/W</b>	<b>1309 - 48 - 4 N/AV</b>	<b>N/AP N/AV</b>	<b>N/AV</b>
<b>Triethanolamine</b>	<b>0.1 - 1.0 W/W</b>	<b>102 - 71 - 6 N/AV</b>	<b>N/AV N/AV</b>	<b>N/AV</b>
<b>Potassium Carbonate</b>	<b>0.1 - 1.0 W/W</b>	<b>584 -- 08 - 7</b>	<b>N/AV N/AV</b>	<b>N/AV</b>



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<b>Silicon Dioxide, Amorphous</b>	<b>1 - 5</b>	<b>7631 - 86 - 9</b>	<b>N/AV</b> <b>N/AV</b>	<b>N/AV</b>
<b>Sodium Carbonate</b>	<b>0.1 - 1.0</b> <b>W/W</b>	<b>497 - 19 - 8</b> <b>N/AV</b>	<b>ORAL: Rats LD50</b> <b>N/AV</b> <b>DERMAL: Rabbits</b> <b>Moderate Irritation</b>	<b>4 g/Kg</b>  <b>500 mg/24hrs</b>

### SECTION 3 PHYSICAL DATA

Odour & Appearance: **Grey-white powder with 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/AP**

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

Percent Volatile: **N/AP**

Evaporation Rate: **N/AP**

pH: **12 - 13 (Cement)**

Specific Gravity: **N/AV**

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

Percent Soluble (@ 20 °C): **<1%**

Others: **Once mixed, material should be considered corrosive.**

### 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**

Hazardous Combustion Products: **N/AP**

Explosion data:

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

Sensitivity to impact: **N/AP**



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### 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>NO. Will not occur</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 type="checkbox"/>	Ingestion: <input type="checkbox"/>
Effects of acute exposure to product: <b>EYES: Can irritate eyes (alkali burns).</b> <b>INHALATION: Can irritate nose &amp; throat. Cement dust can cause inflammation of these areas.</b> <b>SKIN: Can dry skin. Wet concrete mixes may cause alkali burns.</b>				
Effects of chronic exposure to product: <b>Cement dust can cause inflammation of the cornea of the eye and of the tissue lining the inside of the nose.</b>				
Exposure Limits: TWA: <b>10 mg/M3 cement dust</b> Other: <b>The TWA is for Cement Dust in the air.</b> 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:

**EYES: Can irritate eyes.**



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**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: **N/AP**

Teratogenicity: **N/AV**

Reproductive Toxicity: **N/AV**

Mutagenicity: **N/AV**

Synergistic Products: **N/AV**

## SECTION 7 PREVENTATIVE MEASURES

Personal Protective Equipment:

Gloves (specify): **Rubber or PVC; when mix is wet.**

Respirator (specify): **NIOSH/MSHA approved Dust Mask; when mix is dry.**

Eye (specify): **Tight-fitting goggles.**

Footwear (specify): **Boots that will not soak up wet mix and will keep wet and dry mix out.**

Clothing (specify): **That will keep powder and wet mix off skin & clothes.**

Other (specify): **Barrier creams should be applied BEFORE working with product. Wash with soap and water after working with cement - containing products.**

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 inhaling large quantities of dust.**

**Do not get a lot of wet mix on skin.**

Storage Requirements: **Keep dry until used.**

Special Shipping Information: **Keep dry.**

## SECTION 8 FIRST AID MEASURES



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Specific Measures:

**EYES:** Flush with lots of water for at least 15 minutes. See Doctor immediately.

**SKIN:** Wash with soap & water. If skin is burned, see Doctor.

**INHALATION:** Get to fresh air. Take to Doctor.

**INGESTION:** Drink large amounts of water. Do not induce vomiting. See Doctor immediately.

### 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  
Basalite Concrete Products Vancouver, ULC.  
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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.