



MATERIAL SAFETY DATA SHEET

Product Identifier:

Microsil Shotcrete

SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: Microsil Shotcrete [Packaged Materials]			
PIN/ UN No: N/AV	MSDS Number: 3007	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: Shotcrete - a concrete mixture sprayed on surfaces for surface stabilization.			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		Street Address: 1280 W. 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	10 -30 W/W	N/AV N/AV	N/AP N/AV	N/AV
Calcium Oxide	0.1 - 1.0 W/W	1305 - 78 - 8 N/AV	N/AP N/AV	N/AV
Magnesium Oxide	0.1 - 1.0 W/W	1309 - 48 - 4 N/AV	N/AP N/AV	N/AV
Silicon Dioxide, Amorphous	1 - 5	7631 - 86 - 9	N/AV N/AV	N/AV



MATERIAL SAFETY DATA SHEET

Product Identifier:

Microsil Shotcrete

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 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: **NO. Will not occur**

Hazardous decomposition products: **None.**



MATERIAL SAFETY DATA SHEET

Product Identifier:

Microsil Shotcrete

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 (alkali burns).

INHALATION: Can irritate nose & throat. Cement dust can cause inflammation of these areas.

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: **10 mg/M3 cement dust**

Other: **The TWA is for Cement Dust in the air.**

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 eyes.

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.**

Carcinogenicity: **N/AP**

Teratogenicity: **N/AV**

Reproductive Toxicity: **N/AV**

Mutagenicity: **N/AV**

Synergistic Products: **N/AV**



MATERIAL SAFETY DATA SHEET

Product Identifier:

Microsil Shotcrete

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 out wet and dry mix.**

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

Other (specify): **Barrier creams should be put on 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:

Do not breath a lot 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

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.



MATERIAL SAFETY DATA SHEET

Product Identifier:

Microsil Shotcrete

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	Date: 09 / 03 / 05 (yr / mm / dd)

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