



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Duct Grout

### SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: <b>Duct grout</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>Portland Cement</b>	<b>10 - 30</b> <b>W/W</b>	<b>65997 - 15 - 1</b> <b>N/AV</b>	<b>N/AP</b> <b>N/AV</b>	<b>N/AV</b>
<b>Amorphous Silica</b>	<b>60 - 100</b> <b>W/W</b>	<b>61790 - 53 - 2</b> <b>N/AV</b>	<b>N/AP</b> <b>N/AV</b>	<b>N/AV</b>
<b>Bentonite Clay</b>	<b>1 - 5</b> <b>W/W</b>	<b>1302 - 78 - 9</b> <b>N/AV</b>	<b>N/AP</b> <b>N/AV</b>	<b>N/AV</b>
<b>Lignosulfonic Acid Calcium Salt</b>	<b>0.1 - 1.0</b> <b>W/W</b>	<b>8061 - 52 - 7</b> <b>N/AV</b>	<b>N/AP</b> <b>N/AV</b>	<b>N/AV</b>



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## 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**

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: **CO<sub>2</sub>, HO<sub>2</sub>, SO<sub>2</sub>**

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: **YES. Avoid powerful oxidizers: Fluorine, Chlorine, Trifluoride, Trioxide.**

Hazardous decomposition products: **None.**



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### SECTION 6 TOXICOLOGICAL PROPERTIES

Route of Entry:

Skin Duct

Skin Absorption:

Eye Duct:

Inhalation:

Ingestion:

Effects of acute exposure to product:

**INHALATION: Irritating to upper respiratory system. Cement dust can inflame nasal tissue.**

**EYE DUCT: Can irritate eyes. Cement dust can cause inflammation of the cornea.**

**SKIN DUCT: Can dry skin. Wet mix may cause alkali burns.**

Effects of chronic exposure to product:

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

Exposure Limits:

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**



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### 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 Duct 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.**

Handling Procedures and Equipment: **Avoid prolonged Duct 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 DUCT: Irrigate with water for at least 15 minutes, until no trace of product remains. If irritation develops or persists, consult physician.**

**SKIN DUCT: Wash with soap and water.**

**INGESTION: Drink large amounts of water. Do not induce vomiting, seek medical attention.**



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## SECTION 9 PREPARATION DATE OF MSDS

Prepared By: (Group, Department, Etc.) <b>Rocky D. Pantiluk, A.Sc.T.</b> <b>Basalite Concrete Products,</b> <b>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 / 07 / 27</b> (yr / mm / dd)
Workplace MSDS Transcribed by: <b>Laura Voci</b> <b>Basalite Concrete Products,</b> <b>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 / 07 / 27</b> (yr / mm / dd)

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