



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Sulfate Resistant Grout

### SECTION 1 PRODUCT IDENTIFICATION AND USE

|   |  |   |  |
|---|--|---|--|
| Product identification: <b>Sulfate Resistant 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.<br><b>604 – 269 – 2120</b> | Postal Code: <b>V6P 3G8</b>                                       | Emergency Telephone No.<br><b>604 – 269 – 2120</b> |

### SECTION 2 HAZARDOUS INGREDIENTS

| Hazardous Ingredients                             | % Ratio                        | CAS Number:<br>PIN Number:          | Test:<br>Related Information: | Value:      |
|---|--------------------------------|-------------------------------------|-------------------------------|-------------|
| <b>Calcium Silicates</b>                          | <b>30 - 60</b><br><b>W/W</b>   | <b>N/AV</b><br><b>N/AV</b>          | <b>N/AP</b><br><b>N/AV</b>    | <b>N/AV</b> |
| <b>Calcium Oxide</b>                              | <b>0.4 - 1.0</b><br><b>W/W</b> | <b>1305 - 78 - 8</b><br><b>N/AV</b> | <b>N/AP</b><br><b>N/AV</b>    | <b>N/AV</b> |
| <b>Magnesium Oxide</b>                            | <b>0.5 - 1.5</b><br><b>W/W</b> | <b>1309 - 48 - 4</b><br><b>N/AV</b> | <b>N/AP</b><br><b>N/AV</b>    | <b>N/AV</b> |
| <b>Amorphous Silica</b>                           | <b>1 - 5</b><br><b>W/W</b>     | <b>7631 - 86 - 9</b><br><b>N/AV</b> | <b>N/AP</b><br><b>N/AV</b>    | <b>N/AV</b> |
| <b>Sodium Naphthalenesulfonate - formaldehyde</b> | <b>1.0 - 5.0</b><br><b>W/W</b> | <b>9084 - 06 - 4</b><br><b>N/AV</b> | <b>N/AP</b><br><b>N/AV</b>    | <b>N/AV</b> |



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|-----------------|-----------|----------------|------|------|
| Alumina         | 1 - 5     | 7429 - 90 - 4  | N/AV | N/AV |
|                 | W/W       | N/AV           | N/AV |      |
| Potassium Oxide | 0.1 - 1.0 | 130 - 58 - 3   | N/AV | N/AV |
|                 | W/W       | N/AV           | N/AV |      |
| Silicon Dioxide | 1 - 5     | 25909 - 60 - 7 | N/AV | N/AV |
|                 | W/W       | N/AV           | N/AV |      |
| Iron Oxide      | 1 - 5     | 1305 - 37 - 1  | N/AV | N/AV |
|                 | W/W       | N/AV           | N/AV |      |

### 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: **Cement 3.15**

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

Percent Soluble (@ 20 °C): **<1%**

Others:

### 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 static discharge: **N/AP**

Sensitivity to impact: **N/AP**



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### 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, Trifluorine, Trioxide.**

Hazardous decomposition products: **None.**

### 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: **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 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 (Allergic**



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**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 put on BEFORE working 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 10 mg/M<sup>3</sup> 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 contact with wet cement. Avoid breathing dust. Wear appropriate personal protective equipment.**

Storage Requirements: **Do not freeze.**

Special Shipping Information: **Keep dry.**



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### 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:** Get to fresh air. If person has difficulty breathing seek medical advice.

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

### SECTION 9 PREPARATION DATE OF MSDS

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

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