



# MATERIAL SAFETY DATA SHEET

Product Identifier:

## Tendon Grout Ultra

### SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: <b>Tendon Grout Ultra</b>			
PIN/ UN No: <b>N/AV</b>	MSDS Number: <b>N/AV</b>	Molecular Weight: <b>N/AV</b>	
Chemical Name: <b>Mixture</b>			
Chemical Family: <b>Cement Containing Product</b>		Chemical Formula: <b>N/AP</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>30 - 60</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>0.5 - 1.5</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>Polycarboxylate Polymer</b>	<b>0.1 – 1.0</b> <b>W/W</b>	<b>N/AV</b> <b>N/AV</b>	<b>N/AP</b> <b>N/AP</b>	<b>N/AV</b>
<b>Magnesium Oxide</b>	<b>0.5 - 1.5</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>
<b>Alumina</b>	<b>1 - 5</b> <b>W/W</b>	<b>7429 - 90 - 5</b> <b>N/AV</b>	<b>N/AV</b> <b>N/AV</b>	<b>N/AV</b>



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<b>Potassium Oxide</b>	<b>0.1 - 1.0</b> W/W	<b>1310 - 58 - 3</b> N/AV	<b>N/AV</b> N/AV	<b>N/AV</b>
<b>Silicon Dioxide</b>	<b>10 - 30</b> W/W	<b>14808 - 60 - 7</b> N/AV	<b>N/AV</b> N/AV	<b>N/AV</b>
<b>Iron Oxide</b>	<b>3 - 7</b> W/W	<b>1309 - 37 - 1</b> N/AV	<b>N/AV</b> N/AV	<b>N/AV</b>

### SECTION 3 PHYSICAL DATA

Odour & Appearance: **Grey powder with characteristic mild odour.**

Physical State: **POWDER**

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): **N/AP**

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:

Upper flammability limit (% by volume): **N/AP**

Lower flammability limit (% by volume): **N/AP**

**N/AP**

**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**

### SECTION 5 REACTIVITY DATA



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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, Trifluorine, 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>EYES: Can irritate eyes. Cement dust can cause inflammation to cornea.</b> <b>INHALATION: Can cause irritation to upper respiratory system. Cement dust can inflame nasal tissue.</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 Port. Cement</b> Other: 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: <b>EYES: Can irritate eyes.</b> <b>SKIN: Can dry skin and cause rashes.</b> <b>INHALATION: Can irritate nose &amp; throat.</b>				
Sensitization: <b>Some people may be extremely sensitive to product; contact may result in skin rash (Allergic Dermatitis).</b>				
Carcinogenicity: <b>YES. Free Crystalline SiO<sub>2</sub> - I.A.R.C. Div 2A</b>				
Teratogenicity: <b>N/AV</b>			Reproductive Toxicity: <b>N/AV</b>	



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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 applied PRIOR TO contact 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/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 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:

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

**INGESTION: Drink copious amounts of water. Do not induce vomiting. Seek immediate 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 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 / 03 / 05</b> (yr / mm / dd)
Workplace MSDS Transcribed by: <b>Laura Voci</b> <b>Basalite Concrete Products 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 / 03 / 05</b> (yr / mm / dd)

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