



MATERIAL SAFETY DATA SHEET

Product Identifier:

Perma 2000

SECTION 1 PRODUCT IDENTIFICATION AND USE

Product identification: **Perma 2000**

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

MSDS Number: **108**

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: **Grout**

Product Use: **Grout**

Synonyms: **Cementitious Grout**

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	15 - 40 W/W	N/AV N/AV	N/AP N/AV	N/AV
Calcium Oxide	7 - 13 W/W	1305 - 78 - 8 N/AV	N/AP N/AV	N/AV
Magnesium Oxide	3 - 7 W/W	1309 - 48 - 4 N/AV	N/AP N/AV	N/AV
Amorphous Silica	5 - 10 W/W	61790 - 53 - 2 N/AV	N/AP N/AV	N/AV



MATERIAL SAFETY DATA SHEET

Product Identifier:

Perma 2000

Sodium Naphthalenesulfonate - formaldehyde	0.1 - 1.0 W/W	9084 - 06 - 4 N/AV	N/AP N/AV	N/AV
Silica (SiO ₂)	15 - 40 W/W	14080 - 69 - 7 N/AV	N/AV N/AV	N/AV N/AV
Alumina (Al ₂ O ₃)	10 - 30 W/W	7429 - 90 - 5 N/AV	N/AV N/AV	N/AV
Iron Oxide (Fe ₂ O ₃)	7 - 13 W/W	1309 - 37 - 1 N/AV	N/AV N/AV	N/AV
Magnesium Oxide (MgO)	1 - 5 W/W	1309 - 04 - 4 N/AV	N/AV N/AV	N/AV
Potassium Oxide (K ₂ O)	1 - 5 W/W	1310 - 58 - 3 N/AV	N/AV N/AV	N/AV

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**



MATERIAL SAFETY DATA SHEET

Product Identifier:

Perma 2000

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: CO₂, HO₂, SO₂		
Explosion data: Sensitivity to impact: N/AP		Sensitivity to static discharge: N/AP

SECTION 5 REACTIVITY DATA

Chemical stability: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Comment: Keep dry until used.
Incompatibility with other substances: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	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.	

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: INHALATION: Irritating to upper respiratory system. Cement dust can inflame nasal tissue. EYE CONTACT: Can irritate eyes. Cement dust can cause inflammation of the cornea. SKIN CONTACT: 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.				



MATERIAL SAFETY DATA SHEET

Product Identifier:

Perma 2000

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 SiO₂ - 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		

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 contact 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.		



MATERIAL SAFETY DATA SHEET

Product Identifier:

Perma 2000

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:

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

EYE CONTACT: Irrigate with water for at least 15 minutes, until no trace of product remains. If irritation develops or persists, consult physician.

SKIN CONTACT: Wash with soap and water.

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

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.