

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **PERFO CYCLE**
Product Use: Ice Melter / Anti Icing

for bicycle paths

WHMIS Class: D2B (other toxic effects)

TDG Classification: Not regulated

PIN Number: n.a.

T.D.G. Shipping Name: n.a.

Supplier : Multi Routes Inc.

Address: 11415, 6e avenue

Montreal, QC, Canada

H1E 1R8

Telephone: (514) 648-2632 Emergency Phone: (514) 914-0512

WISH

Health:	1
Flammability:	0
Reactivity:	1
Personal :	0
Protection:	B

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% p/p</u>	<u>TLV</u>	<u>CL₅₀</u>	<u>DL₅₀</u>
Calcium Chloride	10035-04-8	15 - 40 %			1000 mg / Kg (Oral, Rat)
Proprietary Blend	N/D	3.0 - 7.0%			
Corrosion Inhibitor	2041-14-7	0.1 - 1.0%			1000 mg / Kg (Oral, Rat)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): n.ap.	Specific Gravity (H ₂ O = 1): 1.28 - 1.32
Vapour Pressure (mm Hg): n.ap.	% Volatile (Wt %): n.ap.
Vapour Density (Air = 1): n.ap.	Evaporation Rate (Water = 1): 1.0
Solubility in Water : Dispersible	pH (10% in water): 6.0 - 8.0
Physical State: Liquid	Viscosity: <100 cPs
Appearance and Odour: Transparent colorless liquid without odor	Odour Threshold (ppm): n.av

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: ininflammable

Flash Point (TCC, °C): n.ap. LEL: n.ap. UEL: n.ap.

Hazardous Combustion Products: Carbon oxides, smoke. The products released during the thermal decomposition products are toxic and may include chloride ions, chlorine gas, magnesium oxides and irritating gases.

Autoignition Temperature (°C): n.ap.

Means of Extinction: Water, foam, dry chemicals, carbon dioxide.

SECTION 5 : REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Acids and strong oxydant agents.

Reactivity, and Under What Conditions: Avoid excessive heat. No other important indication available.

Hazardous Decomposition Products: The products released during the thermal decomposition products are toxic and may include chloride ions, chlorine gas, magnesium oxides and irritating gases.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion and inhalation.

EFFECTS of ACUTE EXPOSURE:

Eye: May cause irritation

Skin: May cause irritation, and possibly skin dryness.

Ingestion: May cause gastrointestinal discomfort, nausea and vomiting. Seek medical attention.

Inhalation: May cause irritation of respiratory tract.

EFFECTS of CHRONIC EXPOSURE:

Irritancy: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Skin Sensitization: Non-hazardous by WHMIS

Carcinogenicity: Not available

Teratogenicity, Reproductive Effects: Not available.

Mutagenicity: Not available.

Synergistic Materials: Unknown

SECTION 7: PREVENTATIVE MEASURES

Gloves: Plastic or rubber gloves to manipulate large quantities of the pure product.

Eye Protection: Safety glasses with side shields to manipulate large quantities.

Respiratory Protection: Not required, if adequate ventilation is available.

Other Protective Equipment: Not required

Engineering Controls: Eye wash station if large quantities are manipulated. Verify that ventilation is adequate.

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Pump or transfer the product into drums for disposal. Rinse with water.

Waste Disposal: Destroy according to federal regulations, provincial and municipal. The product is biodegradable.

Storage Requirements: Keep in original containers, tightly closed, in a dry place at less than 35 ° C. Keep out of the reach of children.

SECTION 8: FIRST AID

Eye: Rinse with plenty of water for several minutes, keeping eyelids open. Seek medical attention should an irritation develop.

Skin: Not applicable.

Inhalation: Not applicable.

Ingestion: If swallowed seek medical advice immediately.

PREPARATION INFORMATION

Date: August 28, 2017

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