

SECTION 1 : IDENTIFICATION

Product Name: PROPYLENE GLYCOL PHOSPHATE INHIBITED
Product Use: Freeze Point Depressant

Supplier: Glengarry Solutions **Phone:** 416-757-1333
Address: 33 Melford Drive, Unit 5, **Fax:** 416-757-9793
Scarborough, Ontario. M1B 2G6 **POISON CONTROL CENTRE:** 1-800-268-9017

SECTION 2 : HAZARD IDENTIFICATION

GHS Classification:

This product has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labelling.

Signal Word: NONE

Pictogram: NONE

Hazard Statements: NONE

Precautionary Statements:

P264: Wash thoroughly after handling.

Response Statements:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 IF ON SKIN: Wash with plenty of water.
P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.
P337+313 If eye irritation persists get medical advice/attention.
P332+313 If skin irritation occurs: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P363: Wash contaminated clothing before reuse.

Storage: P405: Store locked up.

Disposal: P501: Dispose of container according to all applicable regulations.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	EC No.	CONCENTRATION (wt/wt)
Propylene Glycol	57-55-6		60 to 100
Dipotassium hydrogen phosphate	7758-11-4		1 to 10

SECTION 4 : FIRST AID MEASURES

EYES: Wash with copious amount of water for at least 20 minutes keeping eyelids open. Get medical advice if irritation develops.

SKIN: Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms develops or persists.

INGESTION: Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

Most important symptoms and effects, both acute and delayed

Not determined or not available.

Indication of any immediate medical attention and special treatment needed

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

General Information

If exposed or concerned, get medical advice/attention. Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5 : FIRE FIGHTING MEASURES

Flammability: Not flammable.

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding materials.

Specific Hazards Arising from the Chemical: None known.

Special Protective Equipment and Precautions for Fire-fighters:

Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin, eyes and inhalation of vapors.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and Materials for Containment and Cleaning Up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of according to local, provincial and federal regulations.

SECTION 7 : HANDLING AND STORAGE

Precautions for Safe Handling:

Do not handle until all safety precautions have been read and understood. Use normal good industrial hygiene and safety practices. Use recommended safety equipment when handling. Wash thoroughly after handling.

Conditions for Safe Storage:

Avoid storage at high temperatures and protect from freezing. Store away from incompatibles. Keep containers closed when not in use. Store locked up.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

COMPONENTS	CAS NO.	Ontario Table of Occupational Exposure Limits
Propylene Glycol	57-55-6	50 ppm (TWA) 155 mg/m ³ (TWA)

Appropriate Engineering Controls:

Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures:

Eyes: Safety glasses.

Skin: Chemical resistant gloves and appropriate protective clothing.

Respiratory: Approved NIOSH respiratory protection if TLV/PEL is exceeded or if over exposure is likely.

Work Hygienic Practices: Facilities storing or using this material should be equipped with emergency eyewash, and a safety shower. Good personal hygiene practices should always be followed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Colour: Clear and colourless.

Odour : Odourless.

Odour Threshold: No information available.

pH: 9.0 - 10.0

Specific Gravity (water = 1) : 1.03

Propylene Glycol Phosphate Inhibited

Melting point/Freezing point:	<-20°C
Boiling point:	184°C
Flammability (solid,gas):	Not Applicable.
Upper Explosive Limit:	12.5 % vol
Lower Explosive Limit:	2.6 % vol
Flash Point:	104°C closed cup
Auto-ignition Temperature:	>400°C
Decomposition Temperature:	No information available.
Viscosity:	43.4 mPa.s at 25°C
Vapour Pressure :	20 pa at 25°C
Vapour Density (air = 1) :	2.62
Evaporation Rate :	No information available.
Solubility in Water :	Miscible.
Partition Coefficient n-Octanol/Water:	No information available.

SECTION 10 : STABILITY AND REACTIVITY

Reactivity:	Material is non reactive under normal conditions.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Contact with incompatible materials. Excess heat. Exposure to moist air or water.
Incompatible Materials:	Strong acids. Strong oxidizing agents, Strong reducing agents.
Hazardous Decomposition Products:	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Organic acids.

SECTION 11 : TOXICOLOGICAL INFORMATION

Primary Route of Exposure:	Eye contact, skin contact, ingestion and inhalation.
Skin Corrosion/Irritation:	Prolonged contact is essentially nonirritating to skin.
Serious eye damage/irritation:	May cause slight temporary eye irritation. Corneal injury is unlikely. Mist may cause eye irritation.
Respiratory or skin sensitization:	Did not cause allergic skin reactions when tested in humans.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	The ingredients of this product are not classified as carcinogens by ACGIH or IARC, not regulated as carcinogen by OSHA, and not listed as carcinogen by NTP.
Reproductive toxicity:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	No information available.

Component Acute Toxicity Information

COMPONENT	CAS No.	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Propylene Glycol	57-55-6	20,000 mg/Kg (rat)	20,800 mg/Kg (Rabbit)	Not available

SECTION 12 : ECOLOGICAL INFORMATION

Material is practically non-toxic to aquatic organisms on an acute basis. (LC₅₀/EC₅₀/EL₅₀/LL₅₀ >100 mg/L in the most sensitive species tested).

COMPONENT	CAS No.	Freshwater Algae	Freshwater Fish	Water Flea
Propylene Glycol	57-55-6	EC ₅₀ : 19000 mg/L, 96h (Pseudokirchneriella subcapitata)	LC ₅₀ : 51600 mg/L 96h (Oncorhynchus mykis)	EC ₅₀ : >19000 mg/L, 24h (Daphnia magna)

Toxicity:	No information available.
Persistence and degradability:	Material is readily biodegradable.
Bioaccumulative potential:	No information available.

Propylene Glycol Phosphate Inhibited

Mobility in soil: Will likely be mobile in the environment due to its water solubility.
Other adverse effects: No information available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal of substance: Dispose of in accordance with national, state/provincial and regional regulations.
Container disposal: Dispose of in accordance with national, state/provincial and regional regulations.

SECTION 14 : TRANSPORT INFORMATION

T.D.G./D.O.T. Classification:

Shipping Name: Not Regulated
UN Number: Not Applicable **Class:** Not Applicable **Packing Group:** Not Applicable

SECTION 15 : REGULATORY INFORMATION

WHMIS Classification:

Not Controlled

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation (HPR), Hazard Communication Rule (2012), Regulation (EC) No 1907/2006

SECTION 16 : OTHER INFORMATION

Preparation Information:

Latest Revision Date: 10-Apr-2019

Issue Date: 10-Apr-2019

Version No. 1.0

Revision Notes: This document has been updated to comply with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Prepared By: Regulatory Affairs.

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