



A Division of Appropriate Chemical International Ltd.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PROPYLENE GLYCOL 50%

PR100-50

SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

MANUFACTURER: Same as above
PREPARED BY: Production Department
VERSION DATE: 19-Dec-14
TELEPHONE NO.: (519) 451-1614
EMERGENCY PHONE NO.: (613) 996-6666
CHEMICAL FAMILY: Glycols
CHEMICAL FORMULA: Not Applicable
MOLECULAR WEIGHT: Not Applicable
MATERIAL USE: Please Refer to technical literature
SYNONYMS:

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Propylene Glycol	50-55	57-55-6	20,000-50,000 mg/kg	24 Hours Gold Fish 5,000 mg/L	1,000 ppm
Water	45-50	N.Av.	N.Av.	N.Av.	N.Av.

SECTION 03: HAZARD IDENTIFICATION

ROUTE OF ENTRY

Eyes: Product is an irritant. Discomfort, tearing and blurring of vision may occur.
Skin: Severe skin irritant. Discomfort and rash may occur.
Inhalation: Irritation may occur in the upper respiratory passages.
Ingestion: Can be toxic. Can result in mild gastro intestinal discomfort.

SECTION 04: FIRSTAID

Skin Contact: Flush skin with water. Wash contaminated clothing before reuse.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Inhalation, Acute: Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion: Drink 1 glass of water to dilute material. Do not induce vomiting, to avoid absorption through the lungs. Seek immediate medical assistance.

Notes to physician: N.Av.

SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABLE? No

IF YES, UNDER WHICH CONDITIONS?

FLASH POINT (TCC) (C): 99-103
FLAMMABLE LIMITS: **LEL(% BY VOL.):** Not Available **UEL(% BY VOL.):** Not Available
AUTO IGNITION TEMPERATURE (C) Not Available
EXTINGUISHING MEDIA Suitable to the surrounding fire. (Water spray, foam or dry chemical)
SPECIAL PROCEDURES: N/A
HAZARDOUS COMBUSTION PRODUCTS: Not Available
UNUSUAL FIRE AND EXPLOSION HAZARDS Not Available
SENSITIVITY TO STATIC DISCHARGE Not Available
SENSITIVITY TO MECHANICAL IMPACT: Not Available

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Wear impervious protective clothing. dike area to prevent spreading. Absorb with clay or synthetic material. Dispose of as required by Municipal regulations. Ventilate as required. Wash area down with water.

SECTION 07: HANDLING AND STORAGE

Handling Procedures and Storage Requirements

Wear protective gloves and protective clothing if extended periods of contact likely. Avoid contact with skin and eyes. Avoid breathing vapours.
 Store in a cool and dry location. Keep containers tightly closed when not in use. Vent frequently in warm weather.

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

GLOVES/TYPER: Impervious chemical resistant gloves.
RESPIRATOR/TYPER: Should not be necessary.
EYE/TYPER: Safety glasses.
OTHER/TYPER: Have access to eye bath and safety shower.
ENGINEERING CONTROL N/A

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE:	Liquid		
ODOUR:	Clear colourless liquid	ODOUR THRESHOLD:	N. Av.
VAPOUR PRESSURE (mm Hg @ 20C):	0.07-0.2	VAPOUR DENSITY (Air=1):	N. Av.2.6-2.
EVAPORATION RATE (Ether = 1):	0.005	SPECIFIC GRAVITY:	1.038
BOILING POINT (C):	188	FREEZING POINT (C)	-60
Ph (% SOLUTION):	N.App.	% VOLATILE (WT):	28
SOLUBILITY IN WATER (% W/W)	100		

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE? Yes

IF NO, UNDER WHICH CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES Yes

IF YES, WITH WHICH ONES: Strong Oxidizers

SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS Localized heating in air may produce irritating acids and ketones.

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL TLV 1000 ppm
LC 50 OF MATERIAL, SPECIES AND ROUTE See Sec. 2
LD 50 OF MATERIAL, SPECIES AND ROUTE See Sec. 2
CARCINOGENICITY OF MATERIAL No component in this chemical is listed.
REPRODUCTIVE EFFECTS: N. Av.
IRRITANCY OF MATERIAL N. Av.
SENSITIZING CAPABILITY OF MATERIAL N. Av.

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY Can be dangerous if allowed to enter drinking water intakes. Do not contaminate water supplies, lakes and rivers. Treat and dispose of as required by local regulations.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Do not discharge into drains, soil or bodies of water. Dispose of in accordance with municipal, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION Class , Not regulated.

UN NUMBER:

PACKING GROUP:

Special Provisions for Transport

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION N/A

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED: N.Av. = Not Available
N.App. / N.Ap. = Not Applicable

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SOURCES: Supplier MSDS

For updated copies of an MSDS, please contact Anchem Sales at the address/phone number on Page 1 or fax the MSDS Co-ordinator at (519) 451-4593.

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