

Material Safety Data Sheet**Propylene Glycol 38%****Section 1: PRODUCT INFORMATION****Chemical Family:** Glycols**Supplier:** LynCar Products Ltd
30 Hedgedale Road
Brampton, Ontario
L6T 5L2**Emergency Phone Number:** Canutec (613) 996-6666**Manufacturer:** Various Manufacturers**TDG Classification:** Not Regulated**WHMIS Classification:** Not Controlled**DSL Status:** Appears on DSL**Section 2: HAZARDOUS INGREDIENTS**

C.A.S.	CONCENTRATION %	INGREDIENT NAME	T.L.V.	LD/50	LC/50
57-55-56	>30-50%	Propylene Glycol	Not Available	20,000 MG/KG RAT ORAL 22,000 MG/KG MOUSE ORAL 18,500 MG/KG RABBIT ORAL 20,800 MG/KG RABBIT DERMAL	Not Available

Section 3: PHYSICAL DATA

Physical State:	Liquid
Appearance & Odor:	Clear, Colorless Little or No Odor
Vapour Pressure (mm hg):	~0.08 @ 20°C
Vapour Density (air=1):	N/A
By Weight:	0.1 – 1.0%
Evaporation Rate (Butylacetate = 1):	Not Available
Boiling Point (°C):	~ 106 @ 760 mm Hg
PH:	~ 7
Specific Gravity @ 20°C:	1.02 – 1.04
Solubility in Water (%):	Complete
Coefficient of water/oil dist.:	Not Available
VOC:	Not Available

Section 4: FIRE & EXPLOSION DATA

Flammability:	Slightly Combustible
Conditions of Flammability:	Vapours can travel to a source of ignition and flash back Heat, sparks and open flames
Extinguishing Media:	Alcohol foam, dry chemical or carbon dioxide (CO2)
Special Procedures:	Self-contained breathing apparatus required. The usual protective gear should be worn by Firefighters
Auto-ignition Temperature:	Not Available
Flash Point (°C), method:	~ 103°C (PMCC) (Aqueous solution)

**Lower Flammability
Limit (% vol):** Not available

**Upper Flammability
Limit (% vol):** Not Available

Sensitivity to Mechanical Impact: Not Available

Hazardous Combustion Products: Carbon Monoxide where combustion is incomplete
Other toxic vapors

Explosive Power: Not Available

Section 5: REACTIVITY DATA

Chemical Stability: Stable under normal conditions

Conditions of Reactivity: Exposure to light
High Temperatures
Oxidizing Agents

Hazardous Polymerization: Not expected to occur

Incompatible Substances: Strong Acids
Isocyanates
Strong Oxidizing Agents

Hazardous Decomposition

Products: See hazardous combustion products in section 4

Section 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Inhalation, skin and eye contact

EFFECTS OF ACUTE EXPOSURE

Eye Contact: May cause mild irritation

Skin Contact: Not expected to cause irritation
Prolonged contact may cause dermatitis

Inhalation: May cause mild irritation to the nose and throat

Ingestion: Not a likely route of exposure
In high doses, may cause discomfort, irritation of the
Gastrointestinal tract and CNS depression

Effects of Chronic Exposure: No long term effects known at this time

LD50 of product, species & route: 22,000 MG/KG rat oral
20,800 MG/KG rabbit dermal

LC50 of product, species & route: Not available

Exposure limit of material: Not available

Sensitization of product: Not expected to be a sensitizer

Carcinogenic effects: Not listed as a carcinogen

Reproductive effects: No reproductive effects in animals

Teratogenicity: Not available

Mutagenicity: Not available

Synergistic Materials: Not available

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type: Chemical resistant gloves

Respiratory/Type: None required under normal use
NIOSH approved respirator, if necessary

Eye/Type: Splash proof goggles

Footwear/Type: Safety boots per local regulations

Clothing/Type: Wear adequate protective clothes

Other/Type: Eye wash facility should be in close proximity
Emergency shower should be in close proximity

Ventilation requirements: General ventilation usually adequate

Leak/Spill: Absorb spill with an inert absorbent material
 Contain the spill
 Prevent entry into drains, sewers, and other waterways
 Do not use water for clean-up operations
 Place in a closed container for disposal

Waste disposal: In accordance with municipal, provincial and federal regulations

Handling Procedures and Equipment: Use adequate ventilation
 Wash thoroughly after handling
 Avoid contact with skin, eyes and clothing
 Wear suitable protective clothing
 Decontaminate footwear before reuse
 Launder contaminated clothing prior to reuse

Storage requirements: Keep container tightly closed
 Use only steel, stainless steel or reinforced plastic containers for storage
 Store between 18 and 32° C
 Use dry nitrogen or low dew point air for tank padding

Special shipping information: See transportation information in section 1

Section 8: FIRST AID MEASURES

Skin Contact: Wash thoroughly with water
 Remove contaminated clothing

Eye Contact: Seek medical attention if irritation persists
 Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids

Inhalation: Remove victim to fresh air
 If breathing is difficult, administer oxygen
 Seek medical attention if symptoms persist

Ingestion: Obtain medical attention
 DO NOT induce vomiting
 Never give anything by mouth to an unconscious person
 If conscious, give 2 to 4 glasses of lukewarm water

Additional Information:

To the best of our knowledge, the information contained herein is accurate. However, neither LynCar Products Ltd nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any materials mentioned is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, LynCar Products Ltd, cannot guarantee that these are the only hazards that exist.

<p>Section 9: ADDITIONAL INFORMATION</p>

General Note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and Canadian Center for Occupational Health and Safety.

Date Prepared: July 14, 2011