

**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**

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

**Section 4: FIRE & EXPLOSION DATA**

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

<b>Section 7: PREVENTATIVE MEASURES</b>
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**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><b>Section 9: ADDITIONAL INFORMATION</b></p>
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**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