

## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: Glycol Ether PM Acetate**

**GL300-00**

### SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

**MANUFACTURER:** Same as above  
**PREPARED BY:** Production Department  
**VERSION DATE:** 01-Jan-15  
**TELEPHONE NO.:** (519) 451-1614  
**EMERGENCY PHONE NO.:** (613) 996-6666  
**CHEMICAL FAMILY:** Glycols  
**MOLECULAR WEIGHT:** Not Applicable  
**CHEMICAL FORMULA:** 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
2-methoxy-1-Methylethyl Acetate	>99	108-65-6	8532 mg/kg	N.Av.	N.Av.
2-methoxypropyl-1-acetate	<0.5	70657-70-4	N.Av.	N.Av.	N.Av.

### SECTION 03: HAZARD IDENTIFICATION

#### ROUTE OF ENTRY

**Eyes:** May cause slight transient (temporary) eye irritation. May cause slight corneal injury.

**Skin:** Prolonged contact is essentially nonirritating to skin. Repeated contact may cause skin irritation with local redness. Prolonged skin contact with very large amounts may cause dizziness or drowsiness. Did not cause allergic skin reactions when tested in guinea pigs.

**Inhalation:** Single exposure to vapors is not likely to be hazardous.

**Ingestion:** Single dose oral toxicity is low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury.

### SECTION 04: FIRSTAID

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder before reuse.

**Eye Contact:** Flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists or signs of toxicity occur, seek medical attention.

**Inhalation, Acute:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**Notes to physician:** No specific antidote. Treatment based on sound judgment of physician and individual reactions of patient.

#### SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

<b>FLAMMABLE?</b>	No
<b>IF YES, UNDER WHICH CONDITIONS?</b>	
<b>FLASH POINT (TCC) (C):</b>	46 °C
<b>FLAMMABLE LIMITS:</b>	<b>LEL(% BY VOL.):</b> 1.5 <b>UEL(% BY VOL):</b> 7.0
<b>AUTO IGNITION TEMPERATURE (C)</b>	333 °C
<b>EXTINGUISHING MEDIA</b>	Use DRY chemicals, CO2, alcohol foam or water spray.
<b>SPECIAL PROCEDURES:</b>	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Oxides of carbon.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Special Exposure Hazards: Isolate and restrict area access. Stay upwind. Cool exposed equipment with water spray until well after fire is out. NEVER use a water jet directly on the fire because it may spread the fire to a larger area. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Vapors are heavier than air and may accumulate in low areas. Vapors may travel along the ground to be ignited at distant locations. Spills of these organic liquids on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.
<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not Available
<b>SENSITIVITY TO MECHANICAL IMPACT:</b>	Not Available

#### SECTION 06: ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedure:** Personal Precautionary Measures: Wear appropriate protective equipment.  
Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed.  
Procedure for Clean Up: Isolate hazard area and restrict access. Stop leak only if safe to do so. Remove ignition sources and work with non-sparking tools. Small spills: soak up with absorbent material and scoop into containers.  
Large spills : prevent contamination of waterways. Dike and pump into suitable containers.  
Clean up residual with absorbent material, place in appropriate container and flush with water. If available, use foam to smother or suppress vapors. Handling equipment must be grounded.

#### SECTION 07: HANDLING AND STORAGE

##### Handling Procedures and Storage Requirements

Handling: For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment. Use of non-sparking or explosion proof equipment may be necessary, depending upon the type of operation. Never use air pressure for transferring product.

Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Keep containers tightly closed. Store in carbon steel, stainless steel, Teflon.

#### SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

<b>GLOVES/TYPE:</b>	Impervious gloves.
<b>RESPIRATOR/TYPE:</b>	If respiratory irritation is experienced, use an approved air-purifying respirator.
<b>EYE/TYPE:</b>	Chemical goggles.
<b>OTHER/TYPE:</b>	Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>ENGINEERING CONTROL</b>	General (mechanical) room ventilation is expected to be satisfactory. Local ventilation recommended where mechanical ventilation is ineffective in controlling airborne concentrations below the recommended occupational exposure limit.

#### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE/APPEARANCE:</b>	Liquid		
<b>ODOUR:</b>	Sweet Ether.	<b>ODOUR THRESHOLD:</b>	N. Av.
<b>VAPOUR PRESSURE (mm Hg @ 20C):</b>	3.7 mmHg	<b>VAPOUR DENSITY (Air=1):</b>	4.6
<b>EVAPORATION RATE (Ether = 1):</b>	N. Av.	<b>SPECIFIC GRAVITY:</b>	0.966 @ 25°C

<b>BOILING POINT (C):</b>	145.8 °C	<b>FREEZING POINT (C)</b>	N. Av.
<b>Ph (% SOLUTION):</b>	N. Av.	<b>% VOLATILE (WT):</b>	N. Av.
<b>SOLUBILITY IN WATER (% W/W)</b>	19.8 g/100g H <sub>2</sub> O		

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICALLY STABLE?** Stable

**IF NO, UNDER WHICH CONDITIONS?**

**INCOMPATIBILITY WITH OTHER SUBSTANCES** Yes

**IF YES, WITH WHICH ONES:** Oxidizing materials. Also Avoid contact with heat, sparks, open flame, and static discharge.

**SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS**

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide. Carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

#### SECTION 11: TOXICOLOGICAL INFORMATION

**EXPOSURE LIMIT OF MATERIAL**

**LC 50 OF MATERIAL, SPECIES AND ROUTE**

**LD 50 OF MATERIAL, SPECIES AND ROUTE** See Sec 2

**CARCINOGENICITY OF MATERIAL**

**REPRODUCTIVE EFFECTS:**

**IRRITANCY OF MATERIAL**

**SENSITIZING CAPABILITY OF MATERIAL**

**SYNERGISTIC MATERIALS**

#### SECTION 12: ECOLOGICAL INFORMATION

**AQUATIC TOXICITY** Material is practically non-toxic to aquatic organisms on an acute basis (LC<sub>50</sub> or EC<sub>50</sub> >100 mg/L in the most sensitive species tested). Acute LC<sub>50</sub> for fathead minnow (*Pimephales promelas*) is 161 mg/L. Acute LC<sub>50</sub> for water flea (*Daphnia magna*) is 408 mg/L to >500 mg/L. Acute LC<sub>50</sub> for rainbow trout (*Oncorhynchus mykiss*) is 100-180 mg/

#### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.  
Contaminated Packaging: Empty containers should be recycled or disposed through an approved waste management facility.

#### SECTION 14: TRANSPORT INFORMATION

**TDG CLASSIFICATION** Class , TDG NON REGULATED

**UN NUMBER:**

**PACKING GROUP:**

**Special Provisions for Transport**

#### SECTION 15: REGULATORY INFORMATION

**WHMIS CLASSIFICATION** B3

B3 COMBUSTIBLE LIQUIDS

#### SECTION 16: OTHER INFORMATION

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

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**SOURCES:** Supplier MSDS

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Form 074 Revised Aug 2016