

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 **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
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

FLAMMABLE?	No
IF YES, UNDER WHICH CONDITIONS?	
FLASH POINT (TCC) (C):	46 °C
FLAMMABLE LIMITS:	LEL(% BY VOL.): 1.5 UEL(% BY VOL): 7.0
AUTO IGNITION TEMPERATURE (C)	333 °C
EXTINGUISHING MEDIA	Use DRY chemicals, CO2, alcohol foam or water spray.
SPECIAL PROCEDURES:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon.
UNUSUAL FIRE AND EXPLOSION HAZARDS	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.
SENSITIVITY TO STATIC DISCHARGE	Not Available
SENSITIVITY TO MECHANICAL IMPACT:	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

GLOVES/TYPE:	Impervious gloves.
RESPIRATOR/TYPE:	If respiratory irritation is experienced, use an approved air-purifying respirator.
EYE/TYPE:	Chemical goggles.
OTHER/TYPE:	Ensure that eyewash stations and safety showers are proximal to the work-station location.
ENGINEERING CONTROL	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

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

BOILING POINT (C):	145.8 °C	FREEZING POINT (C)	N. Av.
Ph (% SOLUTION):	N. Av.	% VOLATILE (WT):	N. Av.
SOLUBILITY IN WATER (% W/W)	19.8 g/100g H2O		

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 (LC50 or EC50 >100 mg/L in the most sensitive species tested). Acute LC50 for fathead minnow (*Pimephales promelas*) is 161 mg/L. Acute LC50 for water flea (*Daphnia magna*) is 408 mg/L to >500 mg/L. Acute LC50 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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