

Comet Chemical Company Ltd.

3463 Thomas Street Innisfil ,ON L9S 3W4
Tel: (705) 436-5580 Fax: (705) 436-7194



Materials Safety Data - Glycol Ether PM (Comsol PM)

UN - 3092

Shipping Name 1-METHOXY-2-PROPANOL
Transport of Dangerous Goods Class Class 3; Packing Group III
WHMIS Class B 3
Material Use paint solvent

1. HAZARDOUS INGREDIENTS	CAS NUMBER	%	TWAEV (ppm)	LD ₅₀ ORAL	(mg/kg) SKIN	LC ₅₀ ppm INHALATION
Propylene Glycol Methyl Ether	107-98-2	100%	100	5000	13,000	10,000

2. PHYSICAL CHARACTERISTICS

Odour & Appearance clear, colourless, liquid with mild ether odour
Odour Threshold 10 ppm - *becomes objectionable at 100 ppm; NOTE: odour tolerance develops*
Vapour Pressure 11.8 mmHg (25°C)
Vapour Density (air = 1) 3.1
Boiling Point 120°C
Freezing Point -96°C
Specific Gravity 0.924 (20°C)
Water Solubility complete

3. FLAMMABILITY & REACTIVITY

Flash Point 32°C - 36°C
Autoignition Temperature 278°C
Flammable Limits 1.6% - 13.8%
Hazardous Combustion Products carbon monoxide, nitrogen oxides, smoke
Firefighting Precautions foam, dry chemical, water fog, water spray only to cool, product floats on water - water jet spreads flames; firefighters must wear SCBA
Sensitivity to Static Discharge not sensitive
Sensitivity to Mechanical Impact not sensitive
Chemical Stability stable; will not polymerize
Reactive With strong oxidising agents
Dangerous Decomposition Products may react with air over time to form explosive peroxides

4. TOXICOLOGY EFFECTS OF ACUTE EXPOSURE

Skin Contact may be a mild irritant
Skin Absorption yes; but toxic effects not anticipated by this route
Eye Contact minor eye irritation; will not cause permanent injury
Inhalation coughing, shortness of breath, dizziness, intoxication at 100-300 ppm
Ingestion little effect

(PM, cont'd)

EFFECTS OF CHRONIC EXPOSURE

General	little to no effect
Sensitising	no
Carcinogenic	no
Reproductive Effect	experimental teratogen; fetal damage after prolonged maternal exposure to 300 ppm, fetotoxic in rats at over 3000 ppm; no effect known in humans
Synergistic With	not known
Estimated LD ₅₀	5000 mg/kg (oral, rat); 13,000 ,mg/kg (skin, rabbit)
Estimated LC ₅₀	10,000 ppm (inhalation, rat)

5. PROTECTIVE EQUIPMENT

Hands	butyl rubber gloves; neoprene is acceptable for periods of less than 4 hours
Eyes	chemical safety goggles
Respirator	not required if ventilation is adequate, see TWAEV, (1) above
Clothing	not required

6. ENVIRONMENT

Leak Precaution	dyke to control spillage and prevent environmental contamination; if fire potential exists , blanket with foam as a precaution
Handling Spill inert	ventilate contaminated area; recover free liquid with explosion-proof pumps; absorb residue on an sorbent (dry sand, earth) and store in closed containers for disposal
Waste Disposal	do not flush to sewer ; may be incinerated in approved facility

7. STORAGE & HANDLING

Store and use in a cool dry environment, away from sources of ignition, heat and oxidising agents. On prolonged storage, explosive peroxides may form on a partially filled container. If prolonged storage of a part drum is anticipated flush the head space with nitrogen before sealing. Use with adequate ventilation. Do not cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower should be available near the workplace.

8. FIRST AID

SKIN:	Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
EYES:	Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is any irritation.
INHALATION:	Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.
INGESTION:	Give plenty of water to dilute product . Do not induce vomiting (see NOTE below). Keep victim quiet. If vomiting occurs, keep victim's head below the hips to prevent inhalation of vomited material. Seek medical help promptly.

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this product. The stomach should be emptied under medical supervision, after the installation of an airway to protect the lungs.

Emergency telephone numbers	- weekdays from 8:00 - 5:00	(705) 436-5580
	at all other times	(800) 567-7455 (Philip Environmental)

Prepared for Comet Chemical Co. Ltd., by Nicholas Morgan, October 2002; Revised August 2005

The information herein is given in good faith but no warranty, expressed or implied, is made.

PLEASE ENSURE THAT THIS MSDS IS GIVEN TO AND EXPLAINED TO THE PERSON USING THIS PRODUCT.