

# Comet Chemical Company Ltd.

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## Materials Safety Data - Glycol Ether PM Acetate (Comsol PM Acetate)

UN - 3272

Shipping Name ESTERS, N.O.S. (1-METHOXY-2-PROPANOL ACETATE)  
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 <sub>50</sub> ORAL	(mg/kg) SKIN	LC <sub>50</sub> ppm INHALATION
Propylene Glycol Methyl Ether Acetate	108-65-6	100%	100	8500	5000	3350

### 2. PHYSICAL CHARACTERISTICS

Odour & Appearance clear, colourless, somewhat hygroscopic liquid with mild "fruity" ether odour  
Odour Threshold not known  
Vapour Pressure 4 mmHg (20°C)  
Vapour Density (air = 1) 4.6  
Boiling Point 146°C  
Freezing Point -67°C  
Specific Gravity 0.96 (20°C)  
Water Solubility 20%

### 3. FLAMMABILITY & REACTIVITY

Flash Point 46°C  
Autoignition Temperature 272°C  
Flammable Limits 1.5% - 7%  
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 little or no effect  
Skin Absorption yes; toxic effects not anticipated by this route  
Eye Contact irritating; may damage eyes  
Inhalation high vapour concentrations may cause coughing, shortness of breath, dizziness, intoxication  
Ingestion little effect

## (PM Acetate, cont'd)

### EFFECTS OF CHRONIC EXPOSURE

General	prolonged contact may cause itching and redness of skin
Sensitising	no
Carcinogenic	no
Reproductive Effect	experimental teratogen; fetal damage after prolonged maternal exposure to 3000 ppm, no effect known in humans
Synergistic With	not known
Estimated LD <sub>50</sub>	8500 mg/kg (oral, rat); above 5000 mg/kg (skin, rabbit)
Estimated LC <sub>50</sub>	4350 ppm (inhalation, rat)

### 5. PROTECTIVE EQUIPMENT

Hands	butyl rubber gloves suggested	<i>NOTE: recommendation for PM; none available for PM Acetate</i>
Eyes	chemical safety goggles	
Respirator	not required if ventilation is adequate, see TWAEV, (1) above	
Clothing	not required, but apron and long sleeves recommended if splashing is anticipated	

### 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 inert sorbent (dry sand, earth) and store in closed containers for disposal
Waste Disposal	<b>do not flush to sewer</b> ; may be incinerated in approved facility or dumped in landfill if local regulations permit

### 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. <b>CAUTION: Rescuer must not endanger himself!</b> 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.**