

Comet Chemical Company Ltd.

3463 Thomas Street Innisfil, ON L9S 3W4

Tel: (705) 436-5580 Fax: (705) 436-7194



Materials Safety Data - Glycol Ether DPM Acetate (Dipropylene Glycol Methyl Ether Acetate)

Shipping Name	UN - not regulated for transport
Transport of Dangerous Goods Class	not regulated for transport
WHMIS Class	B 3
Material Use	solvent

1. HAZARDOUS INGREDIENTS	CAS NUMBER	%	TWAEV (ppm)	LD ₅₀ ORAL	(mg/kg) SKIN	LC ₅₀ ppm INHALATION
Dipropylene Glycol Methyl Ether Acetate	88917-22-0	100%	not listed	no data	no data	no data

2. PHYSICAL CHARACTERISTICS

Odour & Appearance	clear, colourless, liquid with mild ether odour
Odour Threshold	not known
Vapour Pressure	below 0.4mmHg (20°C)
Vapour Density (air = 1)	6
Boiling Point	200°C
Freezing Point	not known – probably below -50°C
Specific Gravity	0.980 (20°C)
Water Solubility	below 10%

3. FLAMMABILITY & REACTIVITY

Flash Point	85°C
Autoignition Temperature	not known
Flammable Limits	not known
Hazardous Combustion Products	carbon monoxide, nitrogen oxides, smoke, part oxidised hydrocarbon fragments
Firefighting Precautions	foam, dry chemical, water fog, water spray only to cool 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	not known

4. TOXICOLOGY EFFECTS OF ACUTE EXPOSURE

Skin Contact	may be a mild irritant
Skin Absorption	no toxic effects anticipated by this route
Eye Contact	minor eye irritation; will not cause permanent injury
Inhalation	little effect - high vapour concentrations which might be toxic are irritating & not tolerated
Ingestion	little effect

(DPM Acetate, cont'd)

EFFECTS OF CHRONIC EXPOSURE

General	no symptoms known or anticipated
Sensitising	no
Carcinogenic	no
Reproductive Effect	no effect known in humans
Synergistic With	not known
Estimated LD ₅₀	no data
Estimated LC ₅₀	no data

5. PROTECTIVE EQUIPMENT

Hands	impermeable gloves recommended (the best material resistant to DPM is not known ask glove manufacturer) <i>butyl rubber is probably resistant to this product</i>
Eyes	chemical safety goggles
Respirator	not required
Clothing	not required

6. ENVIRONMENT

Leak Precaution	dyke to control spillage and prevent environmental contamination
Handling Spill	ventilate contaminated area; recover free liquid with suitable pumps; absorb residue on an inert 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. If prolonged storage of a part drum is anticipated flush the head space with nitrogen before sealing to prevent oxidation. 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, November 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.