

# Comet Chemical Company Ltd.

3463 Thomas Street Innisfil ,ON L9S 3W4

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



## Materials Safety Data – UCAR Filmer IBT

Shipping Name	UN - none
Transport of Dangerous Goods Class	not regulated for transport
WHMIS Class	not regulated for transport
Material Use	not controlled under WHMIS
	solvent in coatings industry

1. HAZARDOUS INGREDIENTS	CAS NUMBER	%	TWAEV (ppm)	LD <sub>50</sub> ORAL	(mg/kg) SKIN	LC <sub>50</sub> mg/m <sup>3</sup> INHALATION
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	100%	not listed	3200	>19,000	>3500

### 2. PHYSICAL CHARACTERISTICS

Odour & Appearance	clear, colourless, liquid with mild characteristic odour
Odour Threshold	not known
Vapour Pressure	below 0.01mmHg / 0.001kPa (20°C)
Vapour Density (air = 1)	7
Boiling Point	255°C
Freezing Point	-50°C
Specific Gravity	0.948 (20/20°C)
Water Solubility	nil

### 3. FLAMMABILITY & REACTIVITY

Flash Point	119°C
Autoignition Temperature	not known
Flammable Limits	0.6% - 4.2%
Hazardous Combustion Products	carbon monoxide, nitrogen oxides, smoke, partly oxidised hydrocarbon fragments
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	none apart from "Hazardous Combustion Products"

### 4. TOXICOLOGY

#### EFFECTS OF ACUTE EXPOSURE

Skin Contact	mild irritation, local redness
Skin Absorption	slight; no toxic effects anticipated by this route
Eye Contact	mild irritation, local redness
Inhalation	no harmful effects expected due to vapour inhalation at ambient temperature at elevated temperature, vapour concentration could rise sufficiently to cause concern
Ingestion	abdominal discomfort, nausea, vomiting

**(Filmer IBT, cont'd)**

**EFFECTS OF CHRONIC EXPOSURE**

General	no harmful effects anticipated
Sensitising	no
Carcinogenic	no effects documented in humans
Reproductive Effect	no effects documented in humans
Synergistic With	not known
Estimated LD <sub>50</sub>	3200mg/kg (oral, rat or mouse); 19,000mg/kg (skin, guinea pig)
Estimated LC <sub>50</sub>	3500mg/m <sup>3</sup> (inhalation, rat)

**NOTE: skin and inhalation toxicity are not LD<sub>50</sub>s, but shown to give an indication of the product's overall toxicity.**

**5. PROTECTIVE EQUIPMENT**

Hands	polyvinyl chloride gloves ( <i>Other protective materials might be tried.</i> )
Eyes	safety glasses with side shields or chemical goggles
Respirator	not required unless product is used hot and vapour is present – then use organic vapour cartridge
Clothing	no special clothing 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	<b>do not flush to sewer</b> ; 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. 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 (NOTE below). Keep victim quiet. If vomiting occurs, keep victim's head below 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.**