

1. PRODUCT NAME: Glycol Ether DPM
2. CHEMICAL NAME: Dipropylene Glycol Monobutyl Ether
3. SYNONYMS:
4. CAS NUMBER: 34590-94-8
5. COMPOSITION: Dipropylene Glycol Monobutyl Ether - 100%

IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887

6. PROPERTIES: ODOR & APPEARANCE: clear, colorless liquid with mild, not pleasant odor
ODOR THRESHOLD: 35ppm
VAPOUR PRESSURE: 0.38mmHg/0.05kPa (20 c)
EVAPORATION RATE (butyl Acetate=1): 0.02
VAPOR DENSITY (air=1): 5.1
BOILING RANGE: 189 c
FREEZING POINT: -83 c
SPECIFIC GRAVITY: 0.950 (20/20 c)
WATER SOLUBILITY: complete
IN OTHER SOLVENTS: soluble in most organic solvents
VISCOSITY: 3.5 centipoise (25 c)

7. HAZARDS: HMIS (USA): Health - 1, Fire - 1, Reactivity - 0

8. FIRE FIGHTING INFORMATION: FLASH POINT: 86 c/186 F (closed cup)
AUTOIGNITION TEMPERATURE: not known
FLAMMABLE LIMITS: 1.1% - 3%
COMBUSTION PRODUCTS: carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments
FIREFIGHTING PRECAUTIONS: foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water – water jet spreads flames; firefighters must wear SCBA
STATIC DISCHARGE: cannot accumulate a static charge
MECHANICAL IMPACT: not sensitive
CHEMICAL STABILITY: stable; will not polymerize
REACTIVE WITH: strong oxidizing agents
DECOMPOSITION PRODUCTS: explosive peroxides may form on contact with air during prolonged storage

9. PERSONAL PROTECTION MEASURES: HANDS: nitrile gloves may be used – check with supplier for suitability
EYES: safety glasses with side shields or chemical goggles – always protect eyes
VENTILATION: not required unless product mist or vapor is created by handling CLOTHING: none required

10. FIRST AID PROCEDURES: 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 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 (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material.



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(704) 845 9440

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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 relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

11. EXPOSURE TWAEV ppm: 100
LIMITS: LD50 ORAL: 5200
SKIN (mg/kg): 9500
LC50ppm INHALATION: not known

12. TOXICOLOGICAL EFFECTS ACUTE EXPOSURE

INFORMATION: SKIN CONTACT: little to no effect

SKIN ABSORPTION: yes, no toxic effects unlikely by this route

EYE CONTACT: slightly irritating, will not damage eyes

INHALATION: vapor concentrations above 100ppm may irritate respiratory tract; low vapor pressure makes development of such a concentration unlikely in an industrial setting

INGESTION: may cause stomach discomfort; may cause diarrhoea; a massive dose (say, 100ml) would be required to produce any symptoms in a human of average weight

EFFECTS OF CHRONIC EXPOSURE

GENERAL: prolonged deliberate exposure may cause skin cracking and dermatitis

SENSITISING: not a sensitizer

REPRODUCTIVE EFFECT: no known effect on humans or animals

SYNERGISTIC WITH: not known

LD50: 5200mg/kg (oral, rat), 7500mg/kg (oral, dog); 5900mg/kg (skin, rabbit) ESTIMATED LC50: not known

13. ECOLOGICAL This product cannot accumulate in living tissue; this product is readily and rapidly biodegradable in the
INFORMATION: presence of oxygen

14. DISPOSAL DO NOT FLUSH TO SEWER; may be incinerated in approved facility after mixing with a flammable
CONSIDERATIONS: product.

15. CARCINOGENIC Not considered a tumorigen or a carcinogen in humans or animals.
PROPERTIES &
NOTIFICATIONS:

16. TRANSPORT USA 49 CFR

INFORMATION: Product identification number: UN – not regulated for transport

Shipping name: not regulated for transport

Classification: not regulated for transport

Label: none – required

WHMIS Class: B 3

17. HANDLING & Store and use a cool dry environment, away from sources of ignition, heat and oxidizing agents. If pro-
STORAGE: longed storage of part-filled containers is anticipated, flush headspace with nitrogen to prevent the forma-
tion of explosive peroxides*. 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.

*Note: Explosive peroxides are known to form when ethers are stored in contact with air for long periods
of time. Some process is more rapid in the presence of ultraviolet radiation. These peroxides are highly



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unlikely to form in normal industrial use. In order to become hazardous, these peroxides must then be concentrated (eg: by distillation almost to dryness) and heated.

18. ACCIDENTAL LEAK PRECAUTION: dyke to control spillage and prevent environmental contamination.
RELEASE HANDLING SPILL: ventilate contaminated area; recover free liquid with suitable pumps; absorb residue
MEASURES: on an inert sorbent, sweep and pick up using plastic or aluminium shovel & store in closed containers for recycling or disposal.
19. REGULATORY INFORMATION: