



MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

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1. PRODUCT NAME: Glycol Ether DP
2. CHEMICAL NAME: Diethylene Glycol Monopropyl Ether
3. SYNONYMS:
4. CAS NUMBER: 6881-94-3
5. COMPOSITION: Diethylene Glycol Monopropyl 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 to pale yellow liquid with mild ether odor
ODOR THRESHOLD: not known
VAPOUR PRESSURE: approx. 0.05mmHg/0.0067kPa (20 c)
EVAPORATION RATE (butyl Acetate=1): 0.01
VAPOR DENSITY (air=1): 5.3
BOILING RANGE: 215 c/420 F
FREEZING POINT: -90 c/-130 F
SPECIFIC GRAVITY: 0.979 (20/20 c)
WATER SOLUBILITY: complete (20 c)
IN OTHER SOLVENTS: soluble in most organic solvents
VISCOSITY: 4.1 centipoise (25 c)
PH: none (does not liberate hydrogen ions when dissolved)

7. HAZARDS: HMIS (USA): Health - 1, Fire - 1, Reactivity - 0
MATERIAL USE: solvent
*Note: The flash point of this product is borderline (just meets the criteria) for this classification in the U.S.A.

8. FIRE FIGHTING INFORMATION: FLASH POINT: 93 c/199 F (closed cup)
AUTOIGNITION TEMPERATURE: 204 c/400F
FLAMMABLE LIMITS: Lower - 0.85%; Upper Limit not known
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; begins to decompose at 300 c
REACTIVE WITH: strong oxidizing agents
DECOMPOSITION PRODUCTS: none apart from Hazardous Combustion Products

9. PERSONAL PROTECTION MEASURES: HANDS: nitrile or "Viton" gloves recommended - consult supplier to confirm 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: no special protective clothing 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



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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. 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/mg/m³: not listed
LIMITS: LD₅₀ ORAL: not known
SKIN (mg/kg): not known
LC₅₀ppm INHALATION: not known

12. TOXICOLOGICAL EFFECTS ACUTE EXPOSURE
INFORMATION: SKIN CONTACT: mildly irritating
SKIN ABSORPTION: slight, no toxic effects likely by this route
EYE CONTACT: slightly irritating, unlikely to damage eyes
INHALATION: vapor may irritate; low vapor pressure greatly reduces risk of inhalation
INGESTION: may cause stomach discomfort; may cause diarrhoea
EFFECTS OF CHRONIC EXPOSURE
GENERAL: prolonged exposure may cause dermatitis
SENSITISING: not known
REPRODUCTIVE EFFECT: not known
SYNERGISTIC WITH: not known
LD₅₀: not known – low toxicity*
LC₅₀: not known – low toxicity*
*No information specific to this product is available. However, two similar products (DE & DB) are both low toxicity, non-carcinogenic and do not appear to have any reproductive effects. There is no reason why DP should behave differently.

13. ECOLOGICAL this product cannot accumulate in living tissue*; this product is readily and rapidly biodegradable in the
INFORMATION: presence of oxygen*
*No information specific to this product is available. However, two similar products (DE & DB) are both readily and rapidly biodegradable. There is no reason why DP should not behave in the same manner.

14. DISPOSAL DO NOT FLUSH TO SEWER; may be incinerated in approved facility.
CONSIDERATIONS:

15. CARCINOGENIC NE
PROPERTIES &
NOTIFICATIONS:

16. TRANSPORT USA 49 CFR
INFORMATION: Product identification number: UN – 1993
Shipping name: Combustible Liquids N.O.S (diethylene glycol propyl ether)
Classification: Class3; combustible*
Label: combustible liquid, Class3*
WHMIS Class: B 3



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17. HANDLING & STORAGE: Store and use a cool dry environment, away from sources of ignition, heat and oxidizing 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.
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 on an inert sorbent, sweep and pick up using plastic or aluminium shovel & store in closed containers for recycling or disposal.
MEASURES:
19. REGULATORY INFORMATION: