

Safety Data Sheet

Glycol Ether DPnb

SECTION I - IDENTIFICATION



DATE PREPARED: 12/7/1998
REVISION DATE: 7/7/2014
CHEMTEL: 800-255-3924
PRODUCT CODE: DPnB

ADDRESS: 2141 Palomar Airport Rd. Suite 125
Carlsbad, CA 92011

EMERGENCY PHONE NUMBER: (800) 255-3924

PRODUCT NAME: Glycol Ether DPnb

CHEMICAL FAMILY:

CAS NUMBER: 29911-28-2

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Not a Hazardous Substance or Mixture

No Hazards

GHS LABEL:

Hazard Statements

NC Not a Hazardous Substance or Mixture

Precautionary Statements

NC Not a Hazardous Substance or Mixture

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SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

| Component Name | CAS # | Component% | OSHA PEL | ACGIH TLV |
|-----------------------------------|------------|------------|-----------------|-----------------|
| Propylene Glycol | 57-55-6 | < 5% | Not Established | Not Established |
| Dipropylene Glycol | 25265-71-8 | < 5% | Not Established | Not Established |
| Dipropylene Glycol N-Butyl Ether | 29911-28-2 | > 95% | Not Established | Not Established |
| Tripropylene Glycol n-Butyl Ether | 55934-93-5 | < 5% | Not Established | Not Established |

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Do not induce vomiting. Seek immediate medical attention.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO₂, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Keep all sources of ignition and hot metal surfaces away from spill or release. Evacuate all unprotected personnel from the area.
- Environmental Precautions:** Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.
- Methods for Cleaning Up:** Use foam on spills to minimize vapors. Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- NFPA Class III B storage.
 - Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. Vent container carefully before opening. Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended. "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources. Keep containers tightly closed when not in use.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

| Component Name | CAS # | OSHA PEL | ACGIH TLV |
|-----------------------------------|------------|-----------------|-----------------|
| Propylene Glycol | 57-55-6 | Not Established | Not Established |
| Dipropylene Glycol | 25265-71-8 | Not Established | Not Established |
| Dipropylene Glycol N-Butyl Ether | 29911-28-2 | Not Established | Not Established |
| Tripropylene Glycol n-Butyl Ether | 55934-93-5 | Not Established | Not Established |

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Follow accepted work practices for handling a flammable material. Do not eat, drink or smoke in areas where this chemical is used or stored. Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistant gloves. Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------|----------------------------|
| Appearance | Clear, Colorless Liquid |
| Odor | Ether Odor |
| pH@25°C | - |
| Melting/Freezing Point | - |
| Boiling Point | 446F |
| Flashpoint | 212F (100C) Set Flash |
| Specific Gravity | 0.91 |
| Solubility | 5g/100ml |
| Auto-Ignition Temperature | - |
| Decomposition Temperature | - |
| VOC Content | 100% (906g/L or 7.56#/gal) |
| Odor Threshold | - |
| Boiling Range | 446F |
| Evaporation Point | Not Determined |
| Flammable Limits - Upper | 20.4% @ 180 C |
| Flammable Limits - Lower | 0.6% @ 145C |
| Vapor Pressure | 0.04 mmHG @20C |
| Vapor Density (Air=1) | 6.6 (Air=1) |
| Viscosity | - |

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extreme heat and ignition sources.

Hazardous Decomposition/Byproducts: CO, CO₂, and noxious smoke under extreme fire conditions

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

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SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: May cause irritation to the upper respiratory tract and CNS depression.
Low to moderate degree of toxicity by inhalation.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.
Repeated or prolonged contact with large amounts of this material may result in absorption through the skin to produce toxic effects.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.
Low degree of toxicity by ingestion.

Toxicity:

| Component Name | LD50 | LC50 |
|-----------------------------------|---|--|
| Propylene Glycol | Dermal - rabbit - 20,800 mg/kg; Intramuscular - rat - 14 g/kg; | Not Established |
| Dipropylene Glycol | LD50 (Dermal) Rabbit > 20,460 mg/kg; LD50 (Oral) Rat 14,850 | Inhalation - rat - male and female - 4 h - > 2.34 mg/l |
| Dipropylene Glycol N-Butyl Ether | Oral - rat - 4,000 mg/kg; Dermal - rat - > 2,000 mg/kg | Not Established |
| Tripropylene Glycol n-Butyl Ether | Dermal - rat - >2,000 mg/kg; Oral - rat - female - 2,600 mg/kg | Not Established |

| Reproductive Effects | Teratogenicity | Mutagenicity | Embryotoxicity | Sensitization to Product | Synergistic Products |
|----------------------|----------------|----------------|----------------|--------------------------|----------------------|
| Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

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SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert. Can be disposed of by controlled incineration. Excessive quantities should not be permitted to enter drains, sewers, or water courses. Empty containers should be air dried before disposing.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Not Regulated

Contains:

Hazard Class and Label: 0

Identification Number:

Packaging Group:

Label Required:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

| Acute | Chronic | Fire | Pressure | Reactive |
|-------|---------|------|----------|----------|
| X | | X | | |

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 0

HMIS Flammability: 1

HMIS Reactivity: 0

Additional:

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Specification Information

Department issuing data sheet: Compliance

Email address: compliance@transcheminc.com

Training necessary: Follow all local, state and federal regulations

Intended Use of Product:

Seller and manufacturer disclaim any implied or expressed warranties, including warranties of merchantability or fitness of this product for any particular purpose. In no event shall seller be liable for any claim for incidental or consequential damages arising out of or in connection with the sale, delivery, transportation or use of this product. Seller's and manufacturer's liability in all events is limited to, and shall not exceed the purchase price paid for this product.