



# Safety Data Sheet

Issue Date: 22-Jan-2014

Revision Date: 23-Jan-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Dipropylene Glycol Dimethyl Ether

### Other means of identification

**SDS #** NC-028  
**UN/ID No** NA1993

### Recommended use of the chemical and restrictions on use

**Recommended Use** For industrial use.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Neuchem Inc.  
2062 Union Street, Suite 300  
San Francisco, CA 94123 USA  
www.neuchem.com

### Emergency Telephone Number

**Company Phone Number** Phone: 415-345-9353  
Fax: 415-345-9350  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Colorless liquid

**Physical State** Liquid

### Classification

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
| Flammable Liquids                 | Category 4  |

### Signal Word

**Warning**

### Hazard Statements

Causes serious eye irritation  
Combustible liquid



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

|  |
|--|
| <b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b> |
|--|

| Chemical Name                     | CAS No      | Weight-% |
|-----------------------------------|-------------|----------|
| Dipropylene Glycol Dimethyl Ether | 111109-77-4 | 98.5     |

|                              |
|------------------------------|
| <b>4. FIRST-AID MEASURES</b> |
|------------------------------|

**First Aid Measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Flush immediately with copious amounts of tap water or normal saline for a minimum of 15 minutes. If eye irritation persists: Get medical advice/attention. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Call a physician immediately.           |
| <b>Inhalation</b>   | Remove to fresh air. Call a physician.  |
| <b>Ingestion</b>    | Drink plenty of water. Call a physician.  |

**Most important symptoms and effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause skin and eye irritation. Overexposure by inhalation may cause CNS depression-drowsiness, dizziness, confusion or loss of coordination. |
|-----------------|--|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Sand/earth.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

May form explosive peroxides when exposed to air or sunlight. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

**Hazardous Combustion Products** Carbon oxides.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Remove all sources of ignition. Use personal protective equipment as required.

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Large spills should be picked up with a mop or absorbent material and placed in a suitable container for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Protect container from physical damage. Empty containers retain product residue and can be hazardous.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from ignition sources and incompatible materials.

**Incompatible Materials** Strong oxidizing agents. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** No exposure limits noted for ingredient(s)

### **Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### **Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear approved safety goggles.

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Respiratory Protection** None usually required. For prolonged exposure to high concentrations, use OSHA approved respirator.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

|                       |                  |                       |                |
|-----------------------|------------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid           | <b>Odor</b>           | Not determined |
| <b>Appearance</b>     | Colorless liquid | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Colorless        |                       |                |

| <b><u>Property</u></b>              | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|-------------------------------------|----------------------|--------------------------------|
| <b>pH</b>                           | Not determined       |                                |
| <b>Melting Point/Freezing Point</b> | -80 °C / -112 °F     |                                |
| <b>Boiling Point/Boiling Range</b>  | 178 °C / 352 °F      |                                |
| <b>Flash Point</b>                  | 70 °C / 158 °F       |                                |
| <b>Evaporation Rate</b>             | Not determined       |                                |
| <b>Flammability (Solid, Gas)</b>    | n/a-liquid           |                                |
| <b>Upper Flammability Limits</b>    | Not determined       |                                |
| <b>Lower Flammability Limit</b>     | Not determined       |                                |
| <b>Vapor Pressure</b>               | Not determined       |                                |
| <b>Vapor Density</b>                | Not determined       |                                |
| <b>Specific Gravity</b>             | 0.9                  |                                |
| <b>Water Solubility</b>             | Not determined       |                                |
| <b>Solubility in other solvents</b> | Not determined       |                                |
| <b>Partition Coefficient</b>        | Not determined       |                                |
| <b>Auto-ignition Temperature</b>    | Not determined       |                                |
| <b>Decomposition Temperature</b>    | Not determined       |                                |
| <b>Kinematic Viscosity</b>          | Not determined       |                                |
| <b>Dynamic Viscosity</b>            | 1.0                  |                                |
| <b>Explosive Properties</b>         | Not determined       |                                |
| <b>Oxidizing Properties</b>         | Not determined       |                                |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

May form explosive peroxides when exposed to air or sunlight.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Keep away from heat, sparks and open flame.

### Incompatible Materials

Strong oxidizing agents. Acids.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Causes serious eye irritation.   |
| <b>Skin Contact</b> | Avoid contact with skin.         |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | Do not taste or swallow.         |

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2).

**DOT**

**UN/ID No**

NA1993

**Proper Shipping Name**

Combustible liquid, n.o.s. (Dipropylene glycol dimethyl ether)

**Hazard Class**

Comb Liq

**Packing Group**

III

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****SARA 313**

Not determined

**US State Regulations****U.S. State Right-to-Know Regulations**

Not determined

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:** 22-Jan-2014**Revision Date:** 23-Jan-2014**Revision Note:** New format**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**