



SAFETY DATA SHEET

DIETHYLENE GLYCOL

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: DIETHYLENE GLYCOL

Recommended use: Chemical for industrial

Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**
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2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Warning

Hazard statement(s):

1.) Harmful if swallowed.

Precautionary statement(s):

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: 2,2'-Oxydiethanol, Bis(2-hydroxyethyl) ether, Diglycol, 2-Hydroxyethyl ether, DEG, 2,2'-

Dihydroxydiethyl ether.

Ingredients	% (w/w)	CAS NO.
DIETHYLENE GLYCOL	100	111-46-6



4. FIRST AID MEASURES

- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.
- Skin contact:** Wash off with soap and plenty of water. Consult a physician.
- Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.
Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

No data available.

Specific hazards arising from Chemicals:

Carbon oxides

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus.

Wear full protective suit.

6. ACCIDENTAL RELEASE MEAS

Precautions: Wear protective equipment. Keep unprotected person away.

Ensure adequate ventilation.

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.

Do not let product enter drains.

Methods and Material for Containment and Clean Up:

Dispose of contaminated material as waste according to item 13.

Clean up affected area.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Keep containers tightly sealed. Place in tightly closed contains. Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

**Conditions for Safe Storage & Unsuitable Materials:**

Store away from water. Store away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available.

Appropriate Engineering Controls: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Individual Protection Measures

Respiratory protection: Where air-filtering respirators are suitable.

Hand protection: Wear impervious chemical resistant gloves.

Eye protection: Avoid eye contact. Chemical type goggles should be worn. Do not wear contact lenses

Skin and body protections: Workers should be wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry - cleaned.

Hygiene measures: Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, Colorless	Evaporation rate : N/A
Melting Point : -10 °C	Specific gravity : N/A
pH : 5.0-8 at 500 g/L neutral	Solubility in water : N/A
Boiling point : 245-246 °C	Viscosity : N/A
Vapour pressure : 0.04 hPa	Vapour density (air=1) : 3.66 (air=1.0)
Lower explosive limits : 2.0 %Vol	Upper explosive limits : 12.3 %Vol
Auto-ignition temperature : 372 °C	Flash point: 143 °C
Odour threshold: N/A	Flammability (solid, gas): N/A
Decomposition temperature: N/A	Solubility in other solvents: N/A
n-octanol/water partition coefficient (log P_{ow}): N/A	

10. STABILITY AND REACTIVITY

Chemical Stability: No data available.

Reactions: No data available.

Possibility of Hazardous Reactions: No data available.



Conditions to avoid:	Heating in air, Exposure to moisture
Materials to avoid:	Strong oxidizing agents, Strong acids, Zinc
Hazardous decomposition products:	No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	No data available.
Sensitization:	Harmful if swallowed.
Chronic toxicity:	No data available.
Further toxicological information:	No data available.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish:	No data available.
Toxicity to daphnia and other aquatic invertebrates:	No data available
Toxicity to algae:	No data available.
Toxicity to bacteria:	No data available.
Biodegradability Remarks:	No data available.
Bioaccumulative Potential:	No data available.
Mobility:	No data available.
Affected in any other way:	No data available.

13. DISPOSAL CONSIDERATIONS

Material Disposal:	Offer surplus and non-recyclable solutions to a licensed disposal company.
Container Disposal:	Dispose of as unused product. disposal.

14. TRANSPORT INFORMATION

ADR/ADNR

Not dangerous goods

IMGD

Not dangerous goods

IATA

Not dangerous goods



15. REGULATORY INFORMATION

Safety, health and environmental regulation/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008: The substance is classified and labelled according to the CLP regulation.

16. Other Information

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