



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: DIETHYLENE GLYCOL MONOETHYL ETHER

CAS Number: 111-90-0

1. IDENTIFICATION:

Product Code : 96078, 98090

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:

Hazard classification : Not a hazardous substance or mixture according to Regulation.

Physical hazards : Not a hazardous substance or mixture according to Regulation.

Labels elements : Not a hazardous substance or mixture according to Regulation.

Signal word : Not a hazardous substance or mixture according to Regulation.

Hazard statement : Not a hazardous substance or mixture according to Regulation.

Precautionary statement

Prevention : Obtain special instructions before use.
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Keep container tightly closed. Ground/ bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools. Take precautionary measures against static discharge.

Response : IF exposed or concerned: Get medical advice/ attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF SWALLOWED: Immediately call a poison center or doctor/physician.

Storage : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.



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3. COMPOSITION/ INFORMATION ON INGRADIENTS:

Ingredient	CAS Number	Percent	Hazardous
Diethylene Glycol Monoethyl Ether	111-90-0	NLT 99.0%	No

4. FIRE FIGHTING MEASURES:

General information : No data available

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam, dry powder or carbon dioxide.

Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.

Special protective equipment and precautions for firefighters

Special firefighting procedures : Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Special protective equipment for fire-fighters : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

5. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mists or vapors. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up : Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

Notification Procedures : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

Environmental precautions : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6. HANDLING AND STORAGE:

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage, including any : Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and



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incompatibilities sources of ignition.

7. EXPOSURE CONTROLS PERSONAL PROTECTION:

Control parameters

Appropriate engineering

controls : No data available

Individual protection measures, such as personal protective equipment

General information : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

Eye/face protection : Wear safety glasses with side shields (or goggles).

Hand protection : Chemical resistant gloves.

Other : Wear suitable protective clothing.

Respiratory protection : In case of inadequate ventilation use suitable respirator. Chemical respirator with organic vapor cartridge.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

8. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance : Clear colourless hygroscopic liquid.

Odor : No data available

Solubility : No data available

Formula : $C_6H_{14}O_3$

Molecular Weight : 134.17 g/mol

Specific Gravity : 0.989 g/cm³ at 20 °C

pH : 9.0 – 9.3 at 50 g/l at 25 °C

% Volatiles by volume @ 21°C (70°F) : No data available

Boiling Point : 196 °C

Melting Point : -76 °C

Flash Point : 96 °C - closed cup

Vapor Density (Air=1) : No data available

Vapor Pressure (mm Hg) : 0.16 hPa at 20 °C

Evaporation Rate (BuAc=1) : No data available



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9. STABILITY AND REACTIVITY:

Reactivity	:	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
Chemical stability	:	Material is stable under ambient conditions.
Possibility of hazardous reactions	:	Exothermic reaction with: Strong oxidizing agents Generates dangerous gases or fumes in contact with: Aluminum Possible formation of: Hydrogen Violent reactions possible with: metals Acid chlorides Acid anhydrides acids.
Conditions to avoid	:	Strong heating.
Incompatible materials	:	No data available
Hazardous decomposition products	:	In the event of fire: see section 5

10. TOXICOLOGICAL INFORMATION:**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

Inhalation Product	:	LD50 Oral - Mouse - male - 6.031 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - 4 h - > 5,24 mg/l - aerosol (OECD Test Guideline 403) Remarks: (ECHA) LD50 Dermal - Rabbit - male - 9.143 mg/kg (OECD Test Guideline 402)
Repeated dose toxicity Product	:	No data available.
Skin corrosion/irritation Product	:	Skin - Rabbit Result: Mild skin irritation - 4 h (OECD Test Guideline 404)
Serious eye damage/eye irritation Product	:	Eyes - Rabbit Result: No eye irritation - 24 h (OECD Test Guideline 405)
Respiratory or skin sensitization Product	:	No data available.
Carcinogenicity Product	:	No data available
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	:	No data available
US. National Toxicology Program (NTP) Report on Carcinogens	:	No data available
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	:	No data available
Germ cell mutagenicity	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation



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Method: OECD Test Guideline 471
Result: negative
Remarks: (National Toxicology Program)
Test Type: Micronucleus test
Species: Mouse
Cell type: Bone marrow
Application Route: Intraperitoneal
Method: OECD Test Guideline 474
Result: negative
Test Type: unscheduled DNA synthesis assay
Species: Rat
Cell type: Liver cells
Application Route: Oral
Method: OECD Test Guideline 486
Result: negative

In vitro Product : No data available

Reproductive toxicity Product : No data available

Specific target organ toxicity - single exposure Product : No data available

Specific target organ toxicity - repeated exposure Product : No data available

Aspiration hazard Product : No data available

Other effects : None known.

11. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product : flow-through test LC50 - Ictalurus punctatus (channel catfish) - ca. 6.010 mg/l - 96 h (OECD Test Guideline 203)

Aquatic invertebrates Product : static test LC50 - Daphnia magna (Water flea) - 1.982 mg/l - 48 h (OECD Test Guideline 202)

Chronic hazards to the aquatic environment

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Toxicity to Aquatic Plants Product: static test LC50 - Daphnia magna (Water flea) - 1.982 mg/l - 48 h (OECD Test Guideline 202)

Persistence and degradability

Biodegradation Product : aerobic - Exposure time 12 d
Result: 79,4 % - Readily biodegradable.



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(OECD Test Guideline 301B)

BOD/COD ratio Product : No data available.**Bioaccumulative potential****Bioconcentration factor (BCF) Product** : No data available.**Partition coefficient n-octanol / water (log Kow) Product** : No data available.**Mobility in soil** : No data available**Other adverse effects** : Discharge into the environment must be avoided.**12. DISPOSAL CONSIDERATION:****Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.**13. TRANSPORT INFORMATION:**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	NA	Diethylene Glycol Monoethyl Ether	NA	Not dangerous goods	NA
IMDG	NA	Diethylene Glycol Monoethyl Ether	NA	Not dangerous goods	NA
IATA	NA	Diethylene Glycol Monoethyl Ether	NA	Not dangerous goods	NA

14. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

No Data Available.

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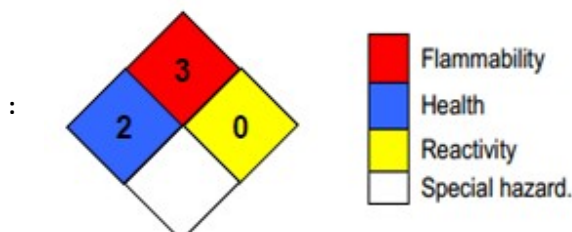
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15. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 03/06/2026

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