

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)

DIETHYLENE GLYCOL AR (DIGOL)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : DIETHYLENE GLYCOL AR (DIGOL)

Product code : SS0107802500

Identification of the product : Diethylene glycol
CAS No :111-46-6
EC No :203-872-2
Annex No :603-140-00-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM
Chaitanya Tower, 2nd Floor, Office # 206,
Siddharth Nagar, S.V. Road,
Goregaon (West), Mumbai - 400062,
Maharashtra, India.
Contact: +91 22 28725393 / 94 / 95
Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : R19
Xn; R20

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302
Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



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MATERIAL SAFETY DATA SHEET (MSDS)

DIETHYLENE GLYCOL AR (DIGOL)

2. Hazards identification -DSD (continued)

Symbol(s) : Xn : Harmful
R Phrase(s) : R19 : May form explosive peroxides.
 R20 : Harmful by inhalation.
 R22 : Harmful if swallowed.
S Phrase(s) : S24 : Avoid contact with skin.
 S25 : Avoid contact with eyes.
Contains : Diethylene glycol

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words : Warning
Hazard statements : H302 : Harmful if swallowed.
 H332 : Harmful if inhaled.

Precautionary statements

• **Prevention** : P271: Use only outdoors or in a well-ventilated area.
 P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
 P264: Wash thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 • **Response** : P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
 • **Disposal considerations** : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Contains : Diethylene glycol

2.3. Other hazards

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation : Diethylene glycol
 CAS No :111-46-6
 EC No :203-872-2
 Annex No :603-140-00-6
 Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Diethylene glycol	100 %	111-46-6	203-872-2	603-140-00-6	----	R19 Xn: R20 ----- Acute Tox. 4 (inhal) _ H332 Acute Tox. 4 (oral) _ H302 Expl. _ EUH019

MATERIAL SAFETY DATA SHEET (MSDS)
DIETHYLENE GLYCOL AR (DIGOL)
3. Composition/information on ingredients (continued)

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures
4.1. Description of first aid measures

Inhalation	: Assure fresh air breathing. Allow the victim to rest. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use	: Danger of serious damage to health by prolonged exposure through inhalation. Swallowing a small quantity of this material will result in serious health hazard.
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4.3. Indication of any immediate medical attention and special treatment needed

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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5. Fire-fighting measures
5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Flammable class	: May form explosive peroxides.
Hazardous combustion products	: Under fire conditions, hazardous fumes will be present. May form flammable/ explosive vapour-air mixture.

5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Evacuate area. DO NOT fight fire when fire reaches explosives.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For emergency responders** : Equip cleanup crew with proper protection. Ventilate area.
- Technical measures** : Use special care to avoid static electric charges.
- Special precautions** : Reacts vigorously with strong oxidizers and acids. No naked lights. No smoking. Remove ignition sources.
- For non-emergency personnel** : Evacuate unnecessary personnel.

6.2. Environmental precautions

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

- Handling** : Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapours, spray.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed.
- Special precautions** : No naked lights. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep in fireproof place.
- Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Oxidizing agent. Heat sources.

7.3. Specific end use(s)

- Specific end use(s)** : None.

MATERIAL SAFETY DATA SHEET (MSDS)
DIETHYLENE GLYCOL AR (DIGOL)
8. Exposure controls/personal protection
8.1. Exposure controls

Personal protection	: Avoid all unnecessary exposure.
• Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
• Hand protection	: Wear protective gloves.
• Eye protection	: Chemical goggles or safety glasses.
• Others	: When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits	: No data available.
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9. Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Clear Colorless
Odour	: Odorless
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: -10 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: 2290C
Flammability (solid, gas)	: N/A
Flash point [°C]	: 123 °C
Boiling point [°C]	: 123 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: 0.04 hPa (20 °C)
Vapour pressure mm/Hg	: N/A
Vapour density	: 3,66
Density [g/cm³]	: 1.118 g/mL at 25 °C
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Infinitely soluble
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.

MATERIAL SAFETY DATA SHEET (MSDS)
DIETHYLENE GLYCOL AR (DIGOL)
9. Physical and chemical properties (continued)

Solubility : 5 - 8 at 500 g/l at
 Viscosity at 40°C [mm²/s] : N/A

9.2. Other information

Explosive properties : N/A
 May form explosive peroxides.
 Explosion limits - upper [%] : 12,30%
 Explosion limits - lower [%] : 2%
 Oxidising properties : No data available.

10. Stability and reactivity
10.1. Reactivity

Reactivity : Not established.

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame.
 Direct sunlight. Overheating.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.
 Oxidizing agent.

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information
11.1. Information on toxicological effects

Acute toxicity
 • Inhalation : Harmful if inhaled.

MATERIAL SAFETY DATA SHEET (MSDS)
DIETHYLENE GLYCOL AR (DIGOL)
11. Toxicological information (continued)

• Dermal	: Based on available data, the classification criteria are not met.
• Ingestion	: Harmful if swallowed.
Corrosion	: Based on available data, the classification criteria are not met.
Irritation	: Based on available data, the classification criteria are not met.
Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

12. Ecological information
12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

13. Disposal considerations
13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
 Hazardous waste due to potential risk of explosion.

MATERIAL SAFETY DATA SHEET (MSDS)
DIETHYLENE GLYCOL AR (DIGOL)
13. Disposal considerations (continued)

Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information
14.1. Land transport (ADR-RID)

General information : Not regulated.

14.2. Sea transport (IMDG) [English only]

General information : Not regulated.

14.3. Air transport (ICAO-IATA) [English only]

General information : Not regulated.

15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. Other information

Revision : Revision - See : *

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

List of relevant R phrases (heading 3) : R19 : May form explosive peroxides.
R20 : Harmful by inhalation.
R22 : Harmful if swallowed.

List of full text of H-statements in section 3 : H302 : Harmful if swallowed.
H332 : Harmful if inhaled.
EUH019: May form explosive peroxides.

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DIETHYLENE GLYCOL AR (DIGOL)

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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