

IN CASE OF TRANSPORTATION EMERGENCY CONTACT:

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1. IDENTIFICATION

1.1. Product identifier

Product form : Substance

Substance name : Diethylene Glycol

Synonyms : Diethylene Glycol IR Grade

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

Use of the substance/mixture : Raw material

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS-US classification
AcuteTox.4(Oral) H302
STOT RE 2 H373

Label elements

GHS-US labelling
Hazard pictograms (GHS-US)

Signal word (GHS-US) Warning

Hazard Statements GHS-US) Harmful if swallowed

Precautionary statements
Do not breathe mist, vapours
Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product
If swallowed: Call a doctor, a POISON CENTER if you feel unwell
Get medical advice/attention if you feel unwell
Rinse mouth
Dispose of contents/container to an approved waste disposal plant

Other hazards
No additional information available

Unknown acute toxicity (GHS US)
Not applicable

3. COMPOSITION

Substance

Name :	Product Identifier	Percentage	GHS-US Classification
Diethylene Glycol	CAS # 111-46-6	99-100	Acute Tox, 4 (oral) H302 STOT RE 2, H373

MIXTURE: not applicable

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general unconscious Get medical advice/attention if you feel unwell. Never give anything by mouth to an person.

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact Wash skin thoroughly with mild soap and water.

First-aid measures after eye contact In case of contact, immediately flush eyes with plenty of water.

First-aid measures after ingestion Do NOT induce vomiting. Rinse mouth. Get immediate medical advice/attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May cause damage to organs through prolonged or repeated exposure.

Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

Harmful if swallowed.

Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam. Water spray. Water fog.

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard No particular fire or explosion hazard. Burning produces irritating, toxic and noxious fumes

Explosion hazard Product is not explosive.

Reactivity No dangerous reactions known.

Advice for firefighters

Firefighting instructions caution Do not allow run-off from fire fighting to enter drains or water courses. Exercise when fighting any chemical fire.

Protection during firefighting protection. Do not enter fire area without proper protective equipment, including respiratory Wear a self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures Avoid all eye and skin contact and do not breathe vapour and mist.

For non-emergency personnel Protective equipment	Wear suitable gloves.
Emergency procedures	Evacuate unnecessary personnel.
For emergency responders Protective equipment	Wear suitable gloves.
Emergency procedures	Stop leak if safe to do so. Ventilate area.
Environmental precautions Avoid release to the environment.	
Methods and material for containment and cleaning up For containment	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Reference to other sections	
Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.	

7. HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling:	Avoid breathing mist, vapours
Hygiene measures:	Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work

Conditions for safe storage, including any incompatibilities

Storage Containers:	Do not store near food, foodstuffs, drugs, or potable water supplies
Incompatible products:	Strong acids, strong bases, strong oxidizers
Storage area:	Store in dry, cool, well ventilated area
Specific end uses (s):	RAW MATERIAL

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS

DIETHYLENE GLYCOL (111-46-6)

ACGIH	NOT APPLICABLE
OSHA	NOT APPLICABLE

EXPOSURE CONTROLS

Appropriate engineering controls:	Avoid creating mist or spray. Either local exhaust or general room ventilation is usually required
Personal protective equipment:	Avoid all unnecessary exposure
Hand Protection:	Use rubber gloves
Eye Protection:	In case of splashing or aerosol production wear

protective goggles

Respiratory Protection:

In case of inadequate ventilation wear respiratory protection. Use an approved respiratory equipped with oil/mist cartridges

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Colorless
Odour	odorless
Odour threshold	no data available
pH	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Melting / Freezing point	-6.5 °C
Boiling point	244.9 °C
Flash point	138 °C
Auto-ignition temperature	229 °C
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	0.002 mm Hg @ 20°C
Relative vapour density at 20 °C	No data available
Relative density	1.118
Density	1.18 g/cm ³ @ 20 °C
Solubility	Soluble in water. Water: 100 %
Log Pow	-1.98
Viscosity	No data available
Viscosity, dynamic	35.7 mPa.s @ 20 °C
Explosive limits	No data available

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

16. OTHER INFORMATION

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