

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Ethylene Glycol Fiber Grade

Product code : U1286, U1297

CAS-No. : 107-21-1

#### Manufacturer or supplier's details

Manufacturer/Supplier : **Shell CAPSA**  
Av. Roque Saenz Peña 788  
Buenos Aires, 1383  
Argentina

Telephone : (+54 11) 4130-2168

Telefax : (+54 11) 4130-2180

Contact for Safety Data Sheet :

Emergency telephone number : En Argentina: (+11 15) 4970-7391 / 4970-7390 / 5062-6601 / 4973-7368; Desde el exterior: (+54 911) 4970-7391 / 4970-7390 / 5062/6601 / 4973-7368; Teléfono de Emergencia Médica (+54) 11962-6666 / 4962-2247 Centro de Toxicología Hospital Ricardo Gutiérrez - Ciudad Autónoma de Buenos Aires (Atención 24 hrs.)

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

Recommended use : Chemical intermediate.

Restrictions on use : This product must not be used in applications other than the above without first seeking the advice of the supplier.  
Do not use in the manufacture or preparation of foods or pharmaceuticals.  
Keep out of reach of children and pets.  
Do not use in theatrical fogs or other artificial smoke generator applications.  
Do not use in aircraft deicing applications.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Oral) : Category 4

Specific target organ toxicity - repeated exposure : Category 2 (Kidney)

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

### GHS label elements

Hazard pictograms

:



Signal word

: Warning

Hazard statements

: **PHYSICAL HAZARDS:**  
Not classified as a physical hazard under GHS criteria.  
**HEALTH HAZARDS:**  
H302 Harmful if swallowed.  
H373 May cause damage to organs (Kidney) through prolonged or repeated exposure.  
**ENVIRONMENTAL HAZARDS:**  
Not classified as an environmental hazard under GHS criteria.

Precautionary statements

: **Prevention:**  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
P330 Rinse mouth.  
P314 Get medical advice/ attention if you feel unwell.  
**Storage:**  
No precautionary phrases.  
**Disposal:**  
P501 Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

### Other hazards which do not result in classification

Inhalation of vapours or mists may cause irritation to the respiratory system.  
Slightly irritating to respiratory system.  
Slightly irritating to the skin.  
Slightly irritating to the eye.  
Vapours may be irritating to the eye.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Substance

### Hazardous components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
ethanediol	107-21-1	Acute Tox.4; H302 STOT RE2; H373	>= 99,9 - <= 100

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

For explanation of abbreviations see section 16.

### SECTION 4. FIRST-AID MEASURES

General advice	: Not expected to be a health hazard when used under normal conditions.
If inhaled	: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
In case of skin contact	: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
In case of eye contact	: Flush eye with copious quantities of water. Remove contact lenses, if present and easy to do. Continue rinsing. If persistent irritation occurs, obtain medical attention.
If swallowed	: If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth.
Most important symptoms and effects, both acute and delayed	: Kidney toxicity may be recognized by blood in the urine or increased or decreased urine flow. Other signs and symptoms can include nausea, vomiting, abdominal cramps, diarrhoea, lumbar pain shortly after ingestion, and possibly narcosis and death. Not considered to be an inhalation hazard under normal conditions of use. Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing. No specific hazards under normal use conditions. Skin irritation signs and symptoms may include a burning sensation, redness, or swelling. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Ingestion may result in nausea, vomiting and/or diarrhoea.
Protection of first-aiders	: When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
Notes to physician	: Call a doctor or poison control center for guidance. Treat symptomatically. May cause significant renal, respiratory, and CNS toxicity. May cause significant acidosis. The preferred treatment is immediate transportation to a medical facility and use of appropriate treatment including possible administration of activated charcoal, gastric lavage and or gastric aspiration. If none of the above are immediately available and a delay of more than one hour is anticipated before such medical attention can be obtained, induction of vomiting

**Ethylene Glycol Fiber Grade**

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

may be appropriate using IPECAC syrup (Contraindicated if there are any signs of CNS depression). This should be considered on a case by case basis following specialist advice. Specific other treatments may include ethanol therapy, fomepizole, treatment of acidosis and haemodialysis. Seek specialist advice without delay.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
- Unsuitable extinguishing media : Do not use water in a jet.
- Specific hazards during fire-fighting : Material will not burn unless preheated.  
Carbon monoxide may be evolved if incomplete combustion occurs.  
Containers exposed to intense heat from fires should be cooled with large quantities of water.
- Specific extinguishing methods : Standard procedure for chemical fires.  
Evacuate the area of all non-essential personnel.  
Keep adjacent containers cool by spraying with water.
- Special protective equipment for firefighters : Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Observe all relevant local and international regulations.  
Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.  
Local authorities should be advised if significant spillages cannot be contained.  
Avoid contact with skin, eyes and clothing.
- Environmental precautions : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.  
Use appropriate containment to avoid environmental contamination.  
Ventilate contaminated area thoroughly.
- Methods and materials for containment and cleaning up : Contain run-off from residue flush and dispose of properly.  
Soak up residue with an absorbent such as clay, sand or other suitable material.

For small liquid spills (< 1 drum), transfer by mechanical

**Ethylene Glycol Fiber Grade**

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Additional advice : For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet.  
For guidance on disposal of spilled material see Section 13 of this Safety Data Sheet.

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**SECTION 7. HANDLING AND STORAGE**

General Precautions : Avoid breathing of or direct contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet.  
Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.  
Ensure that all local regulations regarding handling and storage facilities are followed.

Advice on safe handling : Use local exhaust extraction over processing area.  
Handle and open container with care in a well-ventilated area.  
Do not empty into drains.  
When handling product in drums, safety footwear should be worn and proper handling equipment should be used.  
Handling Temperature:  
Ambient.

Avoidance of contact : Strong oxidising agents.  
Strong acids.  
Strong bases.

Product Transfer : Keep containers closed when not in use. Do not pressurize drum containers to empty.

**Storage**

Conditions for safe storage : Refer to section 15 for any additional specific legislation covering the packaging and storage of this product.

Other data : Tanks must be clean, dry and rust-free.  
Keep container tightly closed.  
Must be stored in a diked (bunded) well- ventilated area, away from sunlight, ignition sources and other sources of heat.

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Cleaning, inspection and maintenance of storage tanks is a specialist operation, which requires the implementation of strict procedures and precautions.

Drums should be stacked to a maximum of 3 high.

Storage Temperature:

Ambient.

Packaging material : Suitable material: Stainless steel., Mild steel., Carbon steel  
Unsuitable material: Data not available

Container Advice : Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers.

Specific use(s) : Not applicable

Ensure that all local regulations regarding handling and storage facilities are followed.

### SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanediol	107-21-1	CMP-C (aerosol)	100 mg/m <sup>3</sup>	AR OEL
Further information: Only aerosol, A4 - Not classifiable as a human carcinogen, Irritation				

#### Biological occupational exposure limits

No biological limit allocated.

#### Monitoring Methods

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory.

Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods <http://www.cdc.gov/niosh/>

Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods <http://www.osha.gov/>

Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances <http://www.hse.gov.uk/>

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany <http://www.dguv.de/inhalt/index.jsp>

L'Institut National de Recherche et de Sécurité, (INRS), France <http://www.inrs.fr/accueil>

**Ethylene Glycol Fiber Grade**

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

**Engineering measures** : The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:  
Adequate ventilation to control airborne concentrations.  
Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.  
Eye washes and showers for emergency use.

**General Information:**

Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

Practice good housekeeping.

Define procedures for safe handling and maintenance of controls.

Educate and train workers in the hazards and control measures relevant to normal activities associated with this product.

Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation.

Drain down system prior to equipment break-in or maintenance.

Retain drain downs in sealed storage pending disposal or subsequent recycle.

**Personal protective equipment**

**Respiratory protection** : If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. If air-filtering respirators are suitable for conditions of use: Select a filter suitable for the combination of organic gases and vapours and particles [Type A/Type P boiling point >65°C (149°F)].

**Hand protection**  
**Remarks**

: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. Longer term protection: Nitrile rubber gloves. Incidental contact/Splash protection: PVC or neoprene rubber gloves. For continuous contact we recom-

**Ethylene Glycol Fiber Grade**

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

mend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

- Eye protection : If material is handled such that it could be splashed into eyes, protective eyewear is recommended.
- Skin and body protection : Skin protection is not ordinarily required beyond standard work clothes.  
It is good practice to wear chemical resistant gloves.
- Thermal hazards : Not applicable
- Protective measures : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
- Hygiene measures : Wash hands before eating, drinking, smoking and using the toilet.  
Launder contaminated clothing before re-use.

**Environmental exposure controls**

- General advice : Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour.  
Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.  
Information on accidental release measures are to be found in section 6.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Slightly viscous liquid.
- Colour : colourless



# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Odour	: mild
Odour Threshold	: Data not available
pH	: Data not available
Melting / freezing point	: -13 °C / 9 °F
Boiling point/boiling range	: 196,5 - 198,5 °C / 385,7 - 389,3 °F
Flash point	: 116 °C / 241 °F Method: Pensky-Martens closed cup
Evaporation rate	: 0,01 Method: ASTM D 3539, nBuAc=1
Flammability	
Flammability (solid, gas)	: Not applicable
Lower explosion limit and upper explosion limit / flammability limit	
Upper explosion limit	: 28 %(V)
Lower explosion limit	: 3,2 %(V)
Vapour pressure	: < 10 Pa (20 °C / 68 °F)
Relative vapour density	: 2,2
Relative density	: 1,12 Method: ASTM D4052
Density	: 1.113 kg/m3 (20 °C / 68 °F)Method: ASTM D4052
Solubility(ies)	
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: log Pow: -1,93 (20 °C / 68 °F) Data not available
Auto-ignition temperature	: 398 °C / 748 °F
Decomposition temperature	: Data not available
Viscosity	
Viscosity, dynamic	: 16,1 mPa.s (25 °C / 77 °F) Method: ASTM D445
Viscosity, kinematic	: 24,8 mm2/s (20 °C / 68 °F) Method: ASTM D445

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Explosive properties	: Not applicable
Oxidizing properties	: Not applicable
Surface tension	: Data not available
Conductivity	: Electrical conductivity: > 10,000 pS/m
	A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid, This material is not expected to be a static accumulator.
Molecular weight	: 62 g/mol

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.
Chemical stability	: No hazardous reaction is expected when handled and stored according to provisions Oxidises on contact with air.
Possibility of hazardous reactions	: None known.
Conditions to avoid	: Extremes of temperature and direct sunlight.  Product cannot ignite due to static electricity.
Incompatible materials	: Strong oxidising agents. Strong acids. Strong bases.
Hazardous decomposition products	: Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, sulphur oxides and unidentified organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

### SECTION 11. TOXICOLOGICAL INFORMATION

Basis for assessment	: Information given is based on product testing. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).
Information on likely routes of exposure	: Skin and eye contact are the primary routes of exposure although exposure may occur through inhalation or following accidental ingestion.

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

### Acute toxicity

#### Components:

##### **ethanediol:**

- Acute oral toxicity : LD 50 (Rat, male and female): > 2.000 mg/kg  
Method: Acceptable non-standard method.  
Remarks: Harmful if swallowed.  
There is a marked difference in acute oral toxicity between rodents and man, man being more susceptible than rodents.  
The estimated fatal dose for man is 100 milliliters (1/2 cup).  
This material has also been shown to be toxic and potentially lethal by ingestion to cats and dogs.
- Acute inhalation toxicity : LC 50 (Rat, male and female): > 2,5 mg/l  
Exposure time: 6 h  
Test atmosphere: Aerosol  
Method: Literature data  
Remarks: LC50 > 1.0 - <= 5.0 mg/l  
LC50 greater than near-saturated vapour concentration.  
Based on available data, the classification criteria are not met.
- Acute dermal toxicity : LD 50 (Mouse, male and female): > 2.000 mg/kg  
Method: Literature data  
Remarks: Based on available data, the classification criteria are not met.

### Skin corrosion/irritation

#### Components:

##### **ethanediol:**

Species: Rabbit  
Method: Acceptable non-standard method.  
Remarks: Slightly irritating to skin.  
Insufficient to classify.

### Serious eye damage/eye irritation

#### Components:

##### **ethanediol:**

Species: Rabbit  
Method: Acceptable non-standard method.  
Remarks: Slightly irritating to the eye.  
Insufficient to classify.

### Respiratory or skin sensitisation

#### Components:

##### **ethanediol:**

Species: Guinea pig  
Method: Literature data  
Remarks: Based on available data, the classification criteria are not met.

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

**Germ cell mutagenicity****Components:****ethanediol:**

- Genotoxicity in vitro : Method: OECD Test Guideline 471  
Remarks: Based on data from similar materials
- : Method: Acceptable non-standard method.  
Remarks: Based on data from similar materials
- : Method: Literature data  
Remarks: Based on data from similar materials
- Genotoxicity in vivo : Species: Rat  
Method: Literature data  
Remarks: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity - Assessment : This product does not meet the criteria for classification in categories 1A/1B.

**Carcinogenicity****Components:****ethanediol:**

Species: Mouse, (male and female)  
Application Route: Oral  
Method: Literature data  
Remarks: Based on available data, the classification criteria are not met.

- Carcinogenicity - Assessment : This product does not meet the criteria for classification in categories 1A/1B.

Material	GHS/CLP Carcinogenicity Classification
ethanediol	No carcinogenicity classification.

**Reproductive toxicity****STOT - single exposure****Components:****ethanediol:**

Remarks: Inhalation of vapours or mists may cause irritation to the respiratory system.  
Based on available data, the classification criteria are not met.  
Ingestion may cause drowsiness and dizziness.

**STOT - repeated exposure****Components:****ethanediol:**

Exposure routes: Oral  
Target Organs: Kidney

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Remarks: May cause damage to organs or organ systems through prolonged or repeated exposure.

### Repeated dose toxicity

#### Components:

##### **ethanediol:**

Species: Rat, male

Application Route: Oral

Method: Test(s) equivalent or similar to OECD Test Guideline 408

Target Organs: Kidney

### Aspiration toxicity

#### Components:

##### **ethanediol:**

Based on available data, the classification criteria are not met.

### Further information

#### Components:

##### **ethanediol:**

Remarks: Classifications by other authorities under varying regulatory frameworks may exist.

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## SECTION 12. ECOLOGICAL INFORMATION

Basis for assessment : Information given is based on product testing.  
Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

### Ecotoxicity

#### Components:

##### **ethanediol:**

Toxicity to fish (Acute toxicity) : LC50 (Pimephales promelas (fathead minnow)): 72.860 mg/l  
Exposure time: 96 h  
Method: Other guideline method.  
Remarks: Practically non toxic:  
LC/EC/IC50 > 100 mg/l

Toxicity to crustacean (Acute toxicity) : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Practically non toxic:  
LC/EC/IC50 > 100 mg/l

Toxicity to algae/aquatic plants (Acute toxicity) : EC50 (Pseudokirchneriella subcapitata (algae)): 6.500 - 13.000 mg/l  
Exposure time: 96 h  
Method: Other guideline method.  
Remarks: Practically non toxic:

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

LC/EC/IC50 > 100 mg/l

- Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 15.380 mg/l  
Exposure time: 7 d  
Method: Other guideline method.  
Remarks: NOEC/NOEL > 100 mg/l
- Toxicity to crustacean(Chronic toxicity) : NOEC (Chironomus sp. (midge)): 8.590 mg/l  
Exposure time: 7 d  
Method: Other guideline method.  
Remarks: NOEC/NOEL > 100 mg/l
- Toxicity to bacteria : EC20 (Activated sludge, domestic waste): > 1.995 mg/l  
Exposure time: 0,5 h  
Method: Other guideline method.  
Remarks: Practically non toxic:  
LC/EC/IC50 > 100 mg/l

### Persistence and degradability

#### Components:

##### **ethanediol:**

- Biodegradability : Biodegradation: 90 - 100 %  
Exposure time: 10 d  
Method: OECD Test Guideline 301A  
Remarks: Readily biodegradable.

### Bioaccumulative potential

- Partition coefficient: n-octanol/water : log Pow: -1,93 (20 °C)  
Remarks: Data not available

#### Components:

##### **ethanediol:**

- Bioaccumulation : Remarks: Does not have the potential to bioaccumulate significantly.

### Mobility in soil

#### Components:

##### **ethanediol:**

- Mobility : Remarks: Disperses in water.  
If product enters soil, one or more constituents will be highly mobile and may contaminate groundwater.

### Other adverse effects

#### Components:

##### **ethanediol:**

- Results of PBT and vPvB assessment : The substance does not fulfill all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Additional ecological information : Does not have ozone depletion potential.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Recover or recycle if possible.  
It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.  
Remove all packaging for recovery or waste disposal.  
Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment.  
Do not dispose of tank water bottoms by allowing them to drain into the ground. This will result in soil and groundwater contamination.  
Do not dispose into the environment, in drains or in water courses.  
Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.  
Local regulations may be more stringent than regional or national requirements and must be complied with.

MARPOL - see International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which provides technical aspects at controlling pollutions from ships.

Contaminated packaging : Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### ADR

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Maritime transport in bulk according to IMO instruments

Pollution category : Z

Ship type : 3

# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Product name : Ethylene glycol

### Special precautions for user

Remarks : Special Precautions: Refer to Section 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

**Additional Information** : This product may be transported under nitrogen blanketing. Nitrogen is an odourless and invisible gas. Exposure to nitrogen enriched atmospheres displaces available oxygen which may cause asphyxiation or death. Personnel must observe strict safety precautions when involved with a confined space entry. Transport in bulk according to Annex II of Marpol and the IBC Code

## SECTION 15. REGULATORY INFORMATION

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

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

### The components of this product are reported in the following inventories:

AIIC : Listed

DSL : Listed

IECSC : Listed

ENCS : Listed

KECI : Listed

NZIoC : Listed

PICCS : Listed

TSCA : Listed

TCSI : Listed

## SECTION 16. OTHER INFORMATION

### Full text of H-Statements

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

### Full text of other abbreviations

Acute Tox. Acute toxicity

STOT RE Specific target organ toxicity - repeated exposure



# SAFETY DATA SHEET

## Ethylene Glycol Fiber Grade

Version 2.3

Revision Date 05/12/2023

Print Date 05/17/2023

Abbreviations and Acronyms : The standard abbreviations and acronyms used in this document can be looked up in reference literature (e.g. scientific dictionaries) and/or websites.

### Further information

Training advice : Provide adequate information, instruction and training for operators.

Other information : A vertical bar (|) in the left margin indicates an amendment from the previous version.

Sources of key data used to compile the Safety Data Sheet : The quoted data are from, but not limited to, one or more sources of information (e.g. toxicological data from Shell Health Services, material suppliers' data, CONCAWE, EU IUCLID date base, EC 1272 regulation, etc).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.