

**SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking****1.1. Product Identifier**

Common name	: Triethylene Glycol
Chemical name	: Triethylene glycol; TEG
Molecular weight	: 150.17 g/mol
EC-No.	: 203-953-2
CAS-No.	: 112-27-6
Chemical formula	: HO(CH <sub>2</sub> CH <sub>2</sub> O) <sub>3</sub> H
Other product identifier	: 2,2'-(1,2-ethanediylbis(oxy)) ethanol, Triglycol

**1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against****1.2.1. Relevant Identified Uses**

Recommendation for use and other prohibitions for use	: - Substances that may become unstable at elevated temperatures and pressures. - Irritation or minor injury would result from exposure to this substance. - Storage in a cool, dry, well-ventilated area away from heat. - Use non-sparking tools to open containers.
Uses	: Triethylene glycol (TEG) is most commonly used for natural gas dehydration to strip the water out of the gas. TEG is widely used in applications which require higher boiling point, higher molecular weight with low volatility such as plasticizer, Unsaturated polyester resin, Emulsifiers, Lubricants, heat transfer fluids and solvent for equipment cleaning, printing ink.

**1.3. Details of the Distributor of the Safety Data Sheet**

Company Name	: GreenSol Limited
Address	: #39-41 Marryat Street, San Fernando, Trinidad, West Indies
Telephone	: +1(868) 225-4858
Mobile	: +1(868) 720-2517
Email	: <a href="mailto:sdeokiesingh@greensolltd.com">sdeokiesingh@greensolltd.com</a>

**1.4. Emergency Telephone Number**

Emergency Number	: +1(868) 720-2517 (GREENSOL)
	: +1(800) 424-9300 (CHEMTREC)

**SECTION 2: Hazard Identification****2.1. GHS classification of the substance/mixture and any national or regional information**



**Hazard classification according to the GHS**

Not indicated.

**2.2. GHS label elements, including precautionary statements**

Symbol and Hazard Pictograms :



GHS07



GHS08

Signal Word :

**WARNING**

Hazard Statement :

- H303 May be harmful if swallowed.
- H333 May be harmful if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Information :

**Prevention**

- P260 Do not breathe mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves, protective clothing, eye protection and face protection.
- P264 Wash all exposed external body areas thoroughly after handling.

**Response**

- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P312 IF INHALED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance.

## 2.2. Other hazards which do not result in classification or are not covered by the GHS

### 2.2.1. Potential Chronic Health Effects

2.2.1.1. Carcinogen effects

N/A

2.2.1.2. Mutagenic effects

N/A

## SECTION 3: Composition / Information on Ingredients

Chemical identity : Triethylene Glycol  
Common name : Triethylene glycol  
Synonym : TEG  
CAS number and other unique identifiers : 112-27-6

## SECTION 4: First Aid Measures

### 4.1. First-aid

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.

### 4.2. Most important symptoms/effects

Acute Effects : Prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
Delayed Effects : Prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

- Indication of immediate medical attention : No further relevant information available.
- Special treatment needed, if necessary. : No further relevant information available.

**SECTION 5: Firefighting measures**

- Unsuitable extinguishing media : No further relevant information available.
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards arising from the chemical. : Carbon oxides
- Special protective equipment and precautions for fire-fighters. : N/A
- Precautions for fire fighters. : Wear self-contained breathing apparatus. Wear full protective suit.
- Other : Hazardous combustion products  
In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

**SECTION 6: Accidental Release Measures**

- Personal precautions : Use personal protective equipment. Avoid breathing vapour, mist or gas. Ensure adequate ventilation.  
Evacuate personnel to safe areas.
- Emergency procedures : Small Spill: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.  
Large Spill: not indicated.
- Environmental precautions : Do not let product enter drains.
- Methods and materials for containment and cleaning up. : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. For disposal see section 13.

**SECTION 7: Handling & Storage**

- Precautions for safe handling : Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
- Safe storage condition : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Incompatible chemicals condition : hygroscopic Store under nitrogen. Heat sensitive.  
Storage class (TRGS 510): Combustible liquids
- Storage area : Process Area and Truck Loading

Incompatible chemicals condition : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

### SECTION 8: Exposure Controls / Personal Protection

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal hygiene : The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.

### SECTION 9: Physical and Chemical Properties

Appearance : Clear viscous liquid

Odour : Slight

Odour threshold limit : no data available

pH-value : 7 neutral

Melting point : -7 °C

Freezing point : -7 °C

Initial boiling point/Boiling range : Boiling/condensation point: 286°C  
Evaporation rate: 248 °C – 288 °C

Flash point : 166 °C (Close cup)

Evaporation rate : < 0.01 - Butyl acetate

Flammability (solid, gas) : Burning time: sec  
Burning Rate: mm/sec

Upper/lower flammability or explosive limits : 0.9 vol. % LEL - 9.2 vol. %UEL

Vapour pressure : < 0.001 kPa (< 0.01 mmHg) at 20 °C

Vapour density : 5.18 kpa (Air = 1.0)

Specific gravity : 1.125 at 20/20 °C

Solubility(ies) : Fully miscible

Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : 355 °C

Decomposition temperature : 240 °C

Viscosity : 49.0 mPs at 20 °C

Heat of Combustion : °C

The enclosed space ignition test : s/m3

### SECTION 10: Stability and Reactivity

Reactivity : No dangerous reactions known

Chemical Stability : N/A

Possibility of Hazardous reaction	: N/A
Conditions to avoid	: Heating in air. Exposure to moisture.
Incompatible materials	: Strong oxidizing agents, Strong acids, Zinc.
Hazardous decomposition products	: Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ). In the event of fire: see section 5.
Corrosively	: Classified as non-corrosive chemicals.

## SECTION 11: Toxicological Information

Route of Exposure	: Inhalation Ingestion Skin contact Eye contact
Symptom related with physical characteristic	: No further relevant information available.
Symptom related with chemical characteristic	: No further relevant information available.
Symptom related with toxicology	: No further relevant information available.

### 11.1. The impact of acute and delayed (delayed and immediate effects) including chronic (chronic effects) exposure (Contact delayed, immediate and chronic effects)

Prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### 11.1. Numerical measures of toxicity

Acute oral toxicity	: LD50 Oral-rat -17,000 mg/kg
Acute dermal toxicity	: LD50 Dermal-rabbit > 22,500 mg/kg
Acute toxic of the vapour	: no data available

## SECTION 12: Ecological Information

Toxicity to fish	: Toxicity to fish LC50 -Leucisus idus (Golden orfe) - > 100 mg/l - 96 h
Degradability and persistence	: Biodegradability: Result: > 70 % - Readily biodegradable
Bio-accumulative potential	: No bioaccumulation is to be expected (log Pow <= 4).
Mobility in soil	: No further relevant information available.
Other adverse effects	: No further relevant information available.

## SECTION 13: Disposal Considerations

Waste disposal	: Offer surplus and non-recyclable solutions to a licensed disposal company.
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Package contaminated disposal : Dispose of contaminated material as waste according to item 13.  
Clean up affected area.

### SECTION 14: Transportation Information

UN Number : Not applicable (Not dangerous goods)  
 UN Proper Shipping Name : Not applicable (Not dangerous goods)  
 Transport Class/Division : Not applicable  
 Package group (if any) : Not applicable  
 Marine pollution : No  
 Special precautionary for user : No data available

### SECTION 15: Regulatory Information

#### 15.1. Safety, health and environmental regulations

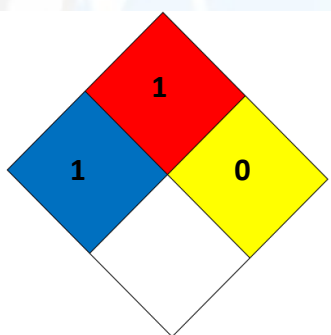
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### SECTION 16: Other Information

#### NFPA Hazard Code

Hazardous decomposition products

Health hazard



Possibility of hazardous reactions

Specific hazards arising from the chemical

#### HMIS Hazard

1	Health
1	Flammability
0	Reactivity

#### Rating System

0 = (No hazard)  
 1 = (Slight hazard)  
 2 = (Moderate hazard)  
 3 = (Serious hazard)  
 4 = (Severe hazard)



**Notice to Reader:**

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

<b>Version</b>	<b>Date of Change</b>	<b>Change Description</b>	<b>Responsible Person</b>
1	25-08-2025	Updated to supplier SDS Rev. 2	Laboratory Coordinator

