

**1. Product Identification.**

Product Name: Triethylene Glycol.

**2. Composition/ Information on Ingredients.**

Composition: 2.2 Ethylene Dioxide Diethanol.

CAS No.: 112-27-8

**3. Hazards Identification.**

Not subject to hazard marking.

**4. First Aid Measures.**

Skin Contact:

Clean with plenty of water, soap or other suitable skin care agent. Remove contaminated, impregnated clothing immediately.

Eye Contact:

Rinse with plenty of water and consult ophthalmologist if necessary.

Ingestion:

Consult doctor.

**5. Fire Fighting Measures.**

Extinguishing Agents:

Fine water spray, foam, dry powder extinguishing agent, CO<sub>2</sub>.

**6. Accidental Release Measures.**

Prevent entry into surface water and ground water. Dam up/in. Take up with absorbent material and fill into sealed containers.

**7. Handling & Storage.**

Keep away from ignition sources - do not smoke.

Severe heating: vapours from explosive mixtures with air.

Fire in surroundings can cause increase in pressure and risk of bursting.

Cool off with water jet spray in event of fire.

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**8. Exposure Controls/ Personal Protection.**

Personal Protection:  
Wear goggles.

Observe the usual safety precautions associated with the handling of chemicals.

**9. Physical and Chemical Properties.**

- |                                 |   |
|---------------------------------|---|
| (a) Appearance:                 | Colourless liquid.                                  |
| (b) Odour:                      | Odourless.  |
| (c) Solidification Temperature: | < -7 <sup>0</sup> C.                                |
| (d) Boiling Temperature:        | 276 <sup>0</sup> C.                                 |
| (e) Density:                    | Approx. 1.1 g/cm <sup>2</sup> at 20 <sup>0</sup> C. |
| (f) Viscosity:                  | 50 mPas at 20 <sup>0</sup> C.                       |
| (g) Vapour Pressure:            | < 0.01 mbar at 20 <sup>0</sup> C.                   |
| (h) Solubility in Water:        | Miscible.   |
| (i) pH Value:                   | 7 - 8 with 500g/l water at 20 <sup>0</sup> C        |
| (j) Flash Point:                | 175 <sup>0</sup> C                                  |
| (k) Ignition Point:             | 370 <sup>0</sup> C                                  |
| (l) Explosion Limits:           | Lower; 9.2 vol. %<br>Bottom; 0.9 vol. %             |

**10. Stability & Reactivity.**

Incompatible with strong oxidants.

**11. Toxicological Information.**

Acute toxicity:  
LD<sub>50</sub> oral, rats: 17000 mg/kg.

Skin Tolerance:  
Slightly irritant.

Mucous membrane tolerance:  
Slightly irritant.

**12. Ecological Information.**

Acute Placine Toxicity:  
LC<sub>50</sub>: > 10000 mg/l. Test species; Leuciscus idus.

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Acute Bacterial Toxicity:  
Pseudomonas putida: inhibition above 320 mg/l.

Water Hazard Classification:  
1 - mild water pollutant.

**13. Disposal Considerations.**

Can be incinerated in suitable plant subject to observance of local authority regulations.

**14. Transport Information.**

Not hazardous goods in transit. Keep apart from foods, tobacco and beverages.

Can be sent by post in Germany; 500ml per inside pack  
5000ml per unit of dispatch.

Can be sent by express goods in Germany.

**15. Regulatory Information.**

Does not need to be marked/identified in accordance with German Hazardous Goods Act or the corresponding EU directives.

Not subject to VbF (German Flammable Liquids Act).

**16. Other Information.**

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