

**1. Chemical product and Company Identification**

<i>Product Identification</i>	Crude Glycerol / Glycerin
<i>Chemical Name:</i>	1,2,3 propanotriol
<i>Company Identification:</i>	Prisma Comercial Exportadora de Oleoquímicos LTDA Rua Sinimbu, 1878, Sala 802 CEP 95.020-002 – Caxias do Sul/RS

**2. Composition/ Information on Ingredients**

CAS Number: 56-81-5

Formula:  $C_3H_5(OH)_3$ 

Glycerol is the transesterification subproduct of fatty acids in animal fat (bovine tallow) or vegetable oil.

**3. Hazards Identification**

This product contains non-hazardous materials.

**4. First Aid Measures**

**4.1. Eyes:**  
Flush eyes with running water for at least fifteen minutes. If irritation develops, seek medical attention.

**4.2. Skin:**  
Wash exposed areas of the body with soap and water. If irritation develops, seek medical attention.

**4.3 Ingestion:**  
Do not induce vomiting. Get immediate medical attention.

**4.4 Inhal:**  
Remove to fresh air. Get immediate medical attention.

**5. Fire Fighting Measures**

**Extinguishing Media:**  
Use dry chemical foam or carbon dioxide.

**6. Accidental Release Measures and Spill Clean-Up Procedures**

**Steps to be taken in case material is released or spilled:**  
Avoid uncontrolled releases. Contain spilled material. Transfer to secure containers. Use absorbent material if necessary.

## 7. Handling and Storage

### Handling:

Use chemical safety goggles, and protective gloves.

### Storage:

Do not store or use near heat source, sparks or flames.

## 8. Exposure Controls and Personal Protection

### Respiratory Protection:

If vapors or mists are generated, use a NIOSH approved organic vapor/mist respirator.

### Protective eyes:

Safety glasses, goggles, or face shield are recommended to protect eyes from mists or splashing.

### Protective clothing:

PVC coated gloves are recommended to prevent skin contact.

## 9. Physical and Chemical Properties

Physical State:

Liquid

Color:

Brown like the color of honey.

Odor:

Sweet

Glycerol content:

70-90%

Boiling Point, 760mmHg:

≥ 290 °C

Specific Gravity at 20°C:

1,26 g/mL

Vapor Pressure at 20°C:

≤ 1 mmHg a 20 °C

Solubility in Water, % by Volume:

Miscible in water

Flash Point:

≥ 160 °C.

Flammability Limits:

492°C at 42,5 atm

Methanol content:

0,2% (m/m)

Chlorides content:

10%

## 10. Stability and Reactivity

### Conditions to Avoid:

Strong heating.

### Reactivity:

Strong oxidizing agents. Can react violently with acetic anhydride, calcium oxychloride, chromium oxides and alkali metal hydride.

*Hazardous Decomposition Products:*

Glycerol decomposes upon heating above 290°C forming corrosive gas (Acrolein).

**11. Toxicological Information**

Product non-toxic

**12. Ecological Information**

Product readily biodegradable

**13. Disposal Considerations**

In accordance with local, state and federal regulations.

**14. Transport Information**

Non-hazardous fuel.

**15. Regulatory Information**

There are no existing specifications for this product in Brazilian legislation.

**16. Additional Information**

*This reports is used for a good knowledge, an accurate and reliable characterization of the product with reference to the security precautions required. This information provides no guarantee or warranty as to the properties of the described product.*

*This information should be considered a general guide only, and relates solely to its commercial physical form.*