



## Safety Data Sheet

According to Regulation (EC) 1907/2006  
and (EU) 453/2010

### 1339 Glycerol

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Name:

Glycerol

##### Synonym:

1,2,3-Propanetriol, Glycerol

**CAS:** [56-81-5]

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

##### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

##### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

##### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

#### 2. Identification of dangers

##### 2.1 Classification of the substance or the mixture.

**No hazardous substance as specified in Regulation (CE) 1272/2008.**

For the full text of the R-phrases mentioned in this section, see section 16.

### **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: Glycerol

Formula: C<sub>3</sub>H<sub>8</sub>O<sub>3</sub> M.= 92,10 CAS [56-81-5]

EC number (EINECS): 200-289-5

## **4. First aid measures**

### **4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Inhaling:**

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

### **4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

### **4.4 Eyes:**

Wash with plenty of water, keeping eyelids open.

### **4.5 Swallowing:**

Drink large amounts of water. In the event of sickness, seek medical assistance.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

Alcohol resistant foam. Dry powder. Water. Carbon dioxide (CO<sub>2</sub>).

### **5.2 Unsuitable extinguishing media:**

No specific data.

### **5.3 Special hazards arising from the substance or mixture:**

Combustible. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. In case of heating to a high temperature: Auf Rückzündung achten In the event of fire, fumes may form: acrolein. Cool the recipients with water. Precipitate fumes formed with water. Do not allow extinguishing water into surface or underground water courses.

### **5.4 Advice for firefighters:**

Suitable clothing and footwear. Self-contained breathing equipment.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the fumes.

## **6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

## **6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

No special indications.

### **7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. Dry atmosphere.

## **8. Exposure controls/personal protection**

### **8.1 Exposure controls:**

No special indications.

### **8.2 Control parameters:**

VLA-ED: 10 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection.

### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye/face protection:**

Use suitable goggles.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Wash hands before breaks and when the job is done.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Odourless.

pH: ~5 ((100g/l))

Melting point/freezing point: 17,8 °C

Initial boiling point and boiling range: 290 °C

Flash point: 176 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: / 0,9 %(V)

Vapour pressure: 0,01 hPa (20 °C)

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

(20/4) 1,262 g/ml

Solubility: Miscible with water

Partition coefficient: n-octanol/water:  
N/A

Auto-ignition temperature: 429 °C

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity: 1.400 mPa.s (20 °C)

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

High temperatures.

### **10.2 Incompatible materials:**

Strong oxidant agents. Nitric acid. Concentrated sulfuric acid. Phosphorus Oxides. Peroxides. Hydrogen peroxide. Halogens.

### **10.3 Hazardous decomposition products:**

No specific data.

### **10.4 Chemical stability:**

Hygroscopic.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral rat : 12.600 mg/kg

### **11.2 Dangerous effects for health:**

Low toxicity. No dangerous characteristics are to be anticipated. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

Fish LC50 >10000 mg/l

### **12.2 Persistence and Degradability :**

Biodegradable product.

### **12.3 Bioaccumulative potential:**

Data not available.

### **12.4 Mobility in soil :**

Data not available.

### **12.5 Assessment PBT and MPMB :**

Data not available.

### **12.6 Other adverse effects:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

.

### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

.

## **14. Transport information**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

The substance is included in Annex V, Exemptions from the obligation to Register according to Regulation (EC) No. 1907/2006 (REACH)

## **16. Other information**

Version and revision date : 4 15.09.2011

Date published: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.