

Safety Data Sheet  
According to Regulation (EC) 1907/2006



5398 **1-Methoxy-2-Propanol**

**1. Identification of the substance/preparation and of the company or firm**

**1.1 Identification of the substance or preparation**

Name:

1-Methoxy-2-Propanol

**Synonym:**

Propileneglycol Monomethyl Ether

**REACH Registration Number:** 01-2119457435-35-XXXX

**1.2 Use of the substance/preparation:**

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**

Classification of the substance or the mixture.

**Classification Regulation (CE) nº 1272/2008.**

Flam. Liq. 3

STOT SE 3

**Hazard Pictograms**



**Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

**Classification (67/548/CEE or 1999/45/CE).**

R67

R10

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

**3. Component Composition/Information**

Name: 1-Methoxy-2-Propanol

Formula: C<sub>4</sub>H<sub>10</sub>O<sub>2</sub> M.= 90,12 CAS [107-98-2]

EC number (EINECS): 203-539-1

EC index number: 603-064-00-3

REACH Registration Number: 01-2119457435-35-XXXX

**4. First aid****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. Induce vomiting. In the event of sickness, seek medical assistance.

**5. Fire-fighting means****5.1 Suitable fire-extinguishing means:**

Water. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder.

## **5.2 Fire-fighting means which must NOT be used:**

No specific data.

## **5.3 Special risks:**

Flammable. Keep away from sources of ignition. May form explosive mixtures with the air. The fumes are heavier than air, so they may spread at floor level. Prevent the build-up of static.

## **5.4 Protective equipment:**

Suitable clothing and footwear.

# **6. Measures to be taken in the event of accidental spillage**

## **6.1 Individual precautions:**

Do not inhale the fumes.

## **6.2 Precautions for care of the environment:**

Avoid pollution of the soil, water supplies and drains.

## **6.3 Methods for collection/cleaning:**

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 Handling:**

No special indications.

## **7.2 Storage:**

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat. Room temperature.

# **8. Staff exposure/protection controls**

## **8.1 Technical protective measures:**

No special indications.

## **8.2 Exposure limit control:**

VLA-EC: 150 ppm - 748 mg/m<sup>3</sup>

VLA-ED: 100 ppm - 374 mg/m<sup>3</sup>

## **8.3 Respiratory protection:**

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

## **8.4 Hand protection:**

Use suitable gloves

## **8.5 Eye protection:**

Use suitable goggles.

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

Remove contaminated clothing. Use suitable work 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: 4 - 7 ((20%))

Melting point/freezing point: -95 °C

Initial boiling point and boiling range: 119 - 122 °C

Flash point: 32 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 11,5 %(V) / 1,7 %(V)

Vapour pressure: 12 hPa (20 °C)

Vapour density: N/A

Relative density: (20/4) 0,92

Solubility: in Soluble in water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 270 °C

Decomposition temperature: N/A

Viscosity: N/A

## **10. Stability and reactivity**

### **10.1 Conditions which should be avoided:**

High temperatures.

### **10.2 Matter which should be avoided:**

No specific data.

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

No specific data.

### **10.4 Complementary information:**

Hygroscopic. The gases/fumes can form explosive mixtures with the air.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral rat : 5.660 mg/kg

LD50 skn rbt : 13.000 mg/kg

TC L0 inh man : 3000 ppm

LC L0 inh rat : 7000 ppm 6h

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

If inhaled: Irritations to the mucosae coughing breathing difficulties Upon contact with the skin: irritations slight Through contact with the eyes: irritations slight If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Causes nausea vomiting Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

Fish (P. promelas) 20800 mg/l/96h

12.1.2. - Receptor medium:

Risk for the water environment

Risk for the land environment

12.1.3. - Observations:

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

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Easily biodegradable product.

### **12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Data not available.

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

Data not available.

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

Data not available.

### **12.6 Other possible effects on the environment:**

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

## **13. Considerations regarding elimination**

### **13.1 Substance or preparation:**

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.

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### 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.

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## 14. Information concerning transport

Overland (ADR):

Technical name: 1-METHOXY-2-PROPANOL

UN 3092 Class: 3 Packaging group: III (D/E)

By sea (IMDG):

Technical name: 1-METHOXY-2-PROPANOL

UN 3092 Class: 3 Packaging group: III

By air (ICAI-IATA):

Technical name: 1-Methoxy-2-propanol

UN 3092 Class: 3 Packaging group: III

Packaging instructions: CAO 366 PAX 355

## 15. Regulatory information

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

## 16. Other information

### Other precautionary statements

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P370+P378 In case of fire: Use for extinction.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

## Labelling (65/548/CEE or 1999/45/CE)

R-phrases: **R67** Vapours may cause drowsiness and dizziness.

**R10** Flammable.

S-phrases:

Review number and date: 3 3.11.10

Date published: 3.11.10

In respect of the previous review, changes have been made to the following sections: 2, 3, 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.