

Safety Data Sheet

According to Regulation (EC) 1907/2006



2482

Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

1.2 Synonym:

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 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

Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Flam. Gas 1

Press. Gas

Acute Tox. 2

Aquatic Acute 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H220 Extremely flammable gas.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

Precautionary statements

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P273 Avoid release to the environment.

P284 Wear respiratory protection.

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

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

N Dangerous for the environment R50

T+ Very toxic R26

F+ Extremely flammable R12

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

Component Composition/Information

Formula: H₂S M.= 34,08 CAS [7783-06-4]

EC number (EINECS): 231-977-3

EC index number: 016-001-00-4

First aid

4.1 General indications:

4.2 Inhaling:

4.3 Contact with the skin:

4.4 Eyes:

4.5 Swallowing:

Fire-fighting means

5.1 Suitable fire-extinguishing means:

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

5.4 Protective equipment:

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

6.2 Precautions for care of the environment:

6.3 Methods for collection/cleaning:

Handling and storage

7.1 Handling:

7.2 Storage:

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

8.3 Respiratory protection:

8.4 Hand protection:

8.5 Eye protection:

8.6 Individual hygiene measures:

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance:
Colour:
Granulometry:
Odour:
pH:
Melting point/freezing point: -85 °C
Initial boiling point and boiling range: -60 °C
Flash point:
Flammability (solid, gas):
Upper/lower flammability or explosive limits: 45,5 %(V) / 4,3 %(V)
Vapour pressure: 18.000 hPa (20 °C)
Vapour density:
Relative density:
Solubility: 4 g/l in water at 20°C
Partition coefficient: n-octanol/water:
Auto-ignition temperature: 270 °C
Decomposition temperature:
Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

10.3 Hazardous decomposition products:

10.4 Complementary information:

Toxicological information

- Acute toxicity:

- Dangerous effects for health:

Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.3 Degradability:

12.4 Accumulation:

12.5 Other possible effects on the environment:

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.

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.

Information concerning transport

Overland (ADR):

Technical name: HYDROGEN SULPHIDE

UN 1053 Class: 2.3 Packaging group: - (B/D)

By sea (IMDG):

Technical name: HYDROGEN SULPHIDE

UN 1053 Class: 2.3 Packaging group: -

By air (ICAI-IATA):

Technical name: Hydrogen sulphide

UN 1053 Class: 2.3 Packaging group: -

Packaging instructions: CAO P PAX P

Regulatory information

Other information

Other precautionary statements

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

P310 Immediately call a POISON CENTER or doctor/physician.

P320 Specific treatment is urgent (see on this label).

P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P381 Eliminate all ignition sources if safe to do so.

P391 Collect spillage.

P403 Store in a well-ventilated place.

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

P405 Store locked up.

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

R-phrases(s):	R50 Very toxic to aquatic organisms. R26 Very toxic by inhalation. R12 Extremely flammable.
S-phrases(s):	S38 In case of insufficient ventilation, wear suitable respiratory equipment. S36 Wear suitable protective clothing. S16 Keep away from sources of ignition - No smoking. S9 Keep container in a well-ventilated place. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

Date published: 3.11.10

Review number and date: 3 3.11.10