



Safety Data Sheet

According to Regulation (EC) 1907/2006

3386 1-Octanol

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

1.1 Product identifier

Name:

1-Octanol

Synonym:

Caprylic Alcohol, n-Octyl Alcohol

CAS: [111-87-5]

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

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.

Classification Regulation (CE) n° 1272/2008.

Eye Irrit. 2

Skin Irrit. 2

Aquatic Chronic 3

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

Xi Irritant

R36/38

2.2 Label elements:

Hazard Pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 Wash...thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

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: 1-Octanol

Formula: C₈H₁₈O M.= 130,23 CAS [111-87-5]

EC number (EINECS): 203-917-6

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.

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. In the event of irritation, seek medical assistance.

4.5 Swallowing:

Risk of aspiration. Drink large amounts of water. Laxatives: sodium sulphate (1 soup-spoonful in 250 ml of water). Induce vomiting. Do not drink milk. Call for medical help. Do not administer castor oil.

5. Firefighting measures

5.1 Suitable extinguishing media:

Alcohol resistant foam. Dry powder. Carbon dioxide (CO₂).

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. Auf Rückzündung achten Prevent the build-up of static.

5.4 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the fumes.

6.2 Environmental precautions:

Do not allow it to enter the drainage system. 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. In well ventilated premises.

Recommended storage temperature: Room temperature. Away from sources of ignition and heat.

8. Exposure controls/personal protection

8.1 Exposure controls:

No special indications.

8.2 Control parameters:

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. Use complete protective equipment. Wash hands and face 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: Characteristic.

pH:

N/A

Melting point/freezing point: -16 °C

Initial boiling point and boiling range: 195 °C

Flash point: 81 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: / 0,8 %(V)

Vapour pressure: 0,3 hPa (20 °C)

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

(20/4) 0,826 g/ml

Solubility: Immiscible with water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 270 °C

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity: 7,3 mPa.s (20 °C)

10. Stability and reactivity

10.1 Conditions to avoid:

The product is chemically stable under standar ambient conditions (room temperature).

10.2 Incompatible materials:

No specific data.

10.3 Hazardous decomposition products:

No specific data.

10.4 Chemical stability:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD50 oral mus : 1.790 mg/kg

LC L0 inh rat : 5600 mg/m3 4h

11.2 Dangerous effects for health:

If fumes inhaled: Irritations to the respiratory tracts. Causes coughing breathing difficulties Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: nausea vomiting Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. If it is absorbed in large quantities: narcosis effects on the central nervous system anxiety spasms euphoria dizziness Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) 4,73 mg/l

Classification:

Extr. toxic

Bacteria (Ps. putida) EC0 50 mg/l

Classification:

Extr. toxic

Algae (Sc. quadricauda) EC0 6,3 mg/l

Classification:

Extr. toxic

Algae (M. aeruginosa) EC0 1,9 mg/l

Classification:

Extr. toxic

Crustaceans (Daphnia magna) 20 mg/l

Classification:

Extr. toxic

Protozoa (E. sulcatum) EC0 44 mg/l

Classification:

Extr. toxic

- Receptor medium:

Risk for the water environment Medium

Risk for the land environment

Medium

- Observations:

Acute ecotoxicity in the dumping area.

12.2 Persistence and Degradability :

- Test:

ThOD =2,95 g/g

DOC 82%-98%D

ThODDBO5 1,1 g/g

- Biotic degradation classification:

BOD5/COD

Biodegradability

High, over 1/3

- Abiotic degradation depending on pH:

- Observations:

Easily biodegradable product.

12.3 Bioaccumulative potential:

- Test:

- Bioaccumulation:

Risk

- Observations:

Non-bioaccumulable product.

12.4 Mobility in soil :

Repartition: $\log P(\text{oct}) = 3,15$

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Water-pollutant product.

Do not allow it to enter soils or water channels.

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.

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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. Transport information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

16. Other information

Other precautionary statements

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

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

R-phrases(s): **R36/38** Irritating to eyes and skin.

S-phrases(s): **S23c** Do not breathe vapour.

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In respect of the previous review, changes have been made to the following sections: 14

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.