



Safety Data Sheet

According to Regulation (EC) 1907/2006



3386 1-Octanol

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

1.1 Identification of the substance or preparation

Name:

1-Octanol

1.2 Synonym:

Caprylic Alcohol, n-Octyl Alcohol

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.

Eye Irrit. 2

Skin Irrit. 2

Hazard Pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

H315 Causes skin irritation.

Precautionary statements

P264 Wash...thoroughly after handling.

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

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

Xi IrritantR36/38

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

Component Composition/Information

Name: 1-Octanol

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

EC number (EINECS): 203-917-6

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.

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. Seek medical assistance. Do not administer castor oil.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Foam. Dry powder. Carbon dioxide (CO₂).

5.2 Fire-fighting means which must NOT be used:**5.3 Special risks:**

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

5.4 Protective equipment:

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:

Do not allow it to enter the drainage system. 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.

Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

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

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

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 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.

Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry:

Odour: Characteristic.

pH:

Melting point/freezing point: -16 °C

Initial boiling point and boiling range: 195 °C

Flash point: 81 °C

Flammability (solid, gas):

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

Vapour pressure: 0,3 hPa (20 °C)

Vapour density:

Relative density: (20/4) 0,826

Solubility: Immiscible with water.

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:**

LD50 oral mus : 1.790 mg/kg

LC L0 inh rat : 5600 mg/m³ 4h

- **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.

Environmental information

12.1 Mobility:

Repartition: log P(oct)= 3,15

12.2 Ecotoxicity:

12.1.1 - 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

12.2.2 - Receptor medium:

Risk for the water environment Medium

Risk for the land environment

Medium

12.2.3 - Observations:

Acute ecotoxicity in the dumping area.

12.3 Degradability:

12.3.1 - Test:

ThOD =2,95 g/g

DOC 82%-98%D

ThODDBO5 1,1 g/g

12.3.2 - Biotic degradation classification:

BOD5/COD

Biodegradability

High, over 1/3

12.3.3 - Abiotic degradation depending on pH:

12.3.4 - Observations:

Easily biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk

12.4.3 - Observations:

Non-bioaccumulable product.

12.5 Other possible effects on the environment:

Water-pollutant product.

Do not allow it to enter soils or water channels.

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: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR Packaging group: III (E)

By sea (IMDG):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR Packaging group: III

By air (ICAI-IATA):

Technical name: Environmentally hazardous substance, liquid, n.o.s.

UN 3082 Class: 9 CONTAM. MAR Packaging group: III

Packaging instructions: CAO 914 PAX 914

Regulatory information

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.

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

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