



Safety Data Sheet

According to Regulation (EC) 1907/2006



1438 Naphthalene

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

1.1 Identification of the substance or preparation

Name:

Naphthalene

1.2 Synonym:

Naphthaline

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

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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.

Acute Tox. 4

Carc. 2

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

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

N Dangerous for the environment R50/53

Xn Harmful R40

R22

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

Component Composition/Information

Name: Naphthalene

Formula: C₁₀H₈ M.= 128,16 CAS [91-20-3]

EC number (EINECS): 202-049-5

EC index number: 601-052-00-2

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 of suffocation, proceed to provide artificial respiration. 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 (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance. Administer a solution of medical-usage active charcoal. Do not administer castor oil. Do not drink milk. Do not drink ethyl alcohol.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Dry powder. Carbon dioxide (CO₂). Foam.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Combustible. Keep away from sources of ignition.

5.4 Protective equipment:

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Avoid contact with the skin, eyes or clothing.

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 dry 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. Dry atmosphere. In a cool place. Away from sources of ignition and heat. In well ventilated premises.

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-EC: 15 ppm ó 80 mg/m³

VLA-ED: 10 ppm ó 53 mg/m³

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter A. Filter P.

8.4 Hand protection:

Use suitable gloves nitrile

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.

Physical and chemical properties

Appearance: solid

Colour: White

Granulometry:

Odour: Characteristic.

pH:

Melting point/freezing point: 80,2 °C

Initial boiling point and boiling range: 217,7 °C

Flash point: 79 °C

Flammability (solid, gas):

Upper/lower flammability or explosive limits: 5,9 %(V) / 0,9 %(V)

Vapour pressure: 1,3 hPa (53 °C)

Vapour density:

Relative density: 1,162

Solubility: Insoluble in water

Partition coefficient: n-octanol/water:

Auto-ignition temperature: 567 °C

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Oxidant agents. Nitrogen oxides.

10.3 Hazardous decomposition products:

10.4 Complementary information:

Risk of explosion of dust. The gases/fumes can form explosive mixtures with the air.

Toxicological information

- **Acute toxicity:**

LD L0 oral man : 5.000 mg/kg

LD L0 oral rbt : 3.000 mg/kg

LD50 oral rat : 490 mg/kg

LD50 ipr mus : 150 mg/kg

- **Dangerous effects for health:**

If dust inhaled: Irritations to the respiratory tracts. Upon contact with the skin: dermatitis Risk of cutaneous absorption. Through contact with the eyes: irritations sight disorders Systemic effects: gastro-intestinal disorders spasms blood alterations respiratory paralysis Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

Environmental information

12.1 Mobility:**12.2 Ecotoxicity:**

12.1.1 - EC50 test (mg/l):

Bacteria (*Photobacterium phosphoreum*) 0,91 mg/l

Classification:

Extr. toxic

Hydrological organisms.

Classification:

Extr. toxic

Algae 33 mg/l3

Extr. toxic

12.2.2 - Receptor medium:

Risk for the water environment

High

Risk for the land environment

High

12.2.3 - Observations:

12.3 Degradability:

12.3.1 - Test:

12.3.2 - Biotic degradation classification:

ThOD 2,99 g/g

BOD5/COD

DOC 22% ThOD

BOD5 0% ThOD

Biodegradability

Medium, between 1/3 and 1/10

12.3.3 - Abiotic degradation depending on pH:

12.3.4 - Observations:

Low biodegradability product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk

12.4.3 - Observations:

Bioaccumulable product.

12.5 Other possible effects on the environment:

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: NAPHTHALENE, REFINED

UN 1334 Class: 4.1 PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: NAPHTHALENE, REFINED

UN 1334 Class: 4.1 PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Naphtalene, refined

UN 1334 Class: 4.1 PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 420 PAX 419

Regulatory information

Other information

Other precautionary statements

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P330 Rinse mouth.

P391 Collect spillage.

P405 Store locked up.

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

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

R-phrase(s):	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R40 Limited evidence of a carcinogenic effect. R22 Harmful if swallowed.
S-phrase(s):	S61 Avoid release to the environment. Refer to special instructions/safety data sheets. S60 This material and its container must be disposed of as hazardous waste. S46 If swallowed, seek medical advice immediately and show this container or label. S36/37 Wear suitable protective clothing and gloves.

Review number and date: 3 3.11.10

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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.