



Safety Data Sheet

According to Regulation (EC) 1907/2006



2961 L(-)-Menthol

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

1.1 Identification of the substance or preparation

Name:

L(-)-Menthol

1.2 Synonym:

(1R,2S,5R)-(-)-2-iso-Propyl-5-Methylcyclohexanol, Hexahydrothymol, Peppermint Camphor

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.

Eye Irrit. 2

Hazard Pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash...thoroughly after handling.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

Xi IrritantR36

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

Component Composition/Information

Name: L(-)-Menthol

Formula: C₁₀H₂₀O M.= 156,27 CAS [2216-51-5]

EC number (EINECS): 218-690-9

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. Seek medical assistance.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Carbon dioxide (CO₂). Foam. Dry powder.

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:

Do not inhale the dust.

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. In well ventilated premises. Dry atmosphere. 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:**

If dust forms, 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 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: 41 - 43 °C

Initial boiling point and boiling range: 212 °C

Flash point: 93 °C

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density: 0,89

Solubility: 0,4 g/l water 20 °C

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Strong oxidant agents.

10.3 Hazardous decomposition products:**10.4 Complementary information:**

Toxicological information

- **Acute toxicity:**

LD50 oral rat : 3.300 mg/kg

LD50 skn rbt : > 1130 g/Kg

LD50 ipr mus : 6.600 mg/kg

LD50 ipr rat : 700 mg/kg

- **Dangerous effects for health:**

Through contact with the eyes: irritations If dust inhaled: Irritations to the mucosae Upon contact with the skin: irritations If swallowed: nausea vomiting spasms Can cause metahemoglobinemia with headaches Systemic effects: ataxia (motor coordination disorders) breathing difficulties tiredness Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

Environmental information

12.1 Mobility:

Repartition: log P(oct)= 3,25

12.2 Ecotoxicity:

12.1.1 - EC50 test (mg/l):

12.2.2 - Receptor medium:

Risk for the water environment

Risk for the land environment

12.2.3 - Observations:

Ecotoxic in water environment.

12.3 Degradability:

12.3.1 - Test:

12.3.2 - Biotic degradation classification:

ThOD 2,97 g/g

BOD5/COD

DOCD 87% ThOD

Biodegradability

High, over 1/3

12.3.3 - Abiotic degradation depending on pH:

12.3.4 - Observations:

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:

Do not allow it to enter soils or water channels.

Water-pollutant product.

DATA BASED on the components of the preparation.

(Soluble copper compounds)

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):

By sea (IMDG):

By air (ICAI-IATA):

Regulatory information

Other information

Other precautionary statements

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

R-phrases:	R36 Irritating to eyes.
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S-phrases:	
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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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