



Safety Data Sheet

According to Regulation (EC) 1907/2006



A747 Cyclohexene stabilized with ~100 ppm of BHT

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

1.1 Identification of the substance or preparation

Name:

Cyclohexene stabilized with ~100 ppm of BHT

1.2 Synonym:

1,2,3,4-Tetrahydrobenzene

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 Identification of the company or firm:

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C/Garraf 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

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Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Flam. Liq. 2

Acute Tox. 4

Hazard Pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

Precautionary statements

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

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

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

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

Xn Harmful R22

F Highly flammable R11

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

Component Composition/Information

Name: Cyclohexene stabilized with ~100 ppm of BHT

Formula: $\text{CH}=\text{CH}(\text{CH}_2)_3\text{CH}_2$ M.= 82,15 CAS [110-83-8]

EC number (EINECS): 203-807-8

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.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. In the event of sickness, seek medical assistance.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. 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. May form explosive mixtures with the air.

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:**

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:

Avoid the formation of electrostatic charges. Handle under an extractor fan.

7.2 Storage:

Well sealed containers. In well ventilated premises. Away from light.

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

TLV-TWA: 300 ppm ó 1.010 mg/m³

VLA-ED: 300 ppm ó 1.020 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter P. Filter A.

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. Do not inhale the substance.

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: -103,5 °C

Initial boiling point and boiling range: 83 °C

Flash point: - 20 °C

Flammability (solid, gas):

Upper/lower flammability or explosive limits: 7,7 %(V) / 1,3 %(V)

Vapour pressure: 90 hPa (20 °C)

Vapour density:

Relative density: (20/4) 0,8102

Solubility: Immiscible with water.

Partition coefficient: n-octanol/water:

Auto-ignition temperature: 250 °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:

Peroxides.

10.4 Complementary information:

The gases/fumes can form explosive mixtures with the air.

Toxicological information

- **Acute toxicity:**

- **Dangerous effects for health:**

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: If it is absorbed in large quantities: narcosis effects on the central nervous system 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):

Fish 10 mg/l

Classification:

Extr. toxic

12.2.2 - Receptor medium:

Risk for the water environment

Risk for the land environment

12.2.3 - Observations: Average mortality limit: 15500 mg/l.

12.3 Degradability:

12.3.1 - Test:

12.3.2 - Biotic degradation classification:

BOD5/COD

Biodegradability

12.3.3 - Abiotic degradation depending on pH:

12.3.4 - Observations:

Data not available.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk

12.4.3 - Observations:

Data not available.

12.5 Other possible effects on the environment:

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

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: CYCLOHEXENE

UN 2256 Class: 3 Packaging group: II (D/E)

By sea (IMDG):

Technical name: CYCLOHEXENE

UN 2256 Class: 3 Packaging group: II

By air (ICAI-IATA):

Technical name: Cyclohexene

UN 2256 Class: 3 Packaging group: II

Packaging instructions: CAO 307 PAX 305

Regulatory information

Categorized as hydrocarbon substance.

Other information

Other precautionary statements

P243 Take precautionary measures against static discharge.

P264 Wash...thoroughly after handling.

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

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

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P330 Rinse mouth.

P370+P378 In case of fire: Use for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

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

R-phrases(s):	R22 Harmful if swallowed. R11 Highly flammable.
S-phrases(s):	S33 Take precautionary measures against static discharges. S23c Do not breathe vapour. S16 Keep away from sources of ignition - No smoking. S9 Keep container in a well-ventilated place.

Review number and date: 3 3.11.10

Date published: 3.11.10

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.