



1892 1,2-Dichlorobenzene

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

1.1 Identification of the substance or preparation

Name:

1,2-Dichlorobenzene

Synonym:

o-Dichlorobenzene

REACH Registration Number: 01-2119451167-40-XXXX

1.2 Use of the substance/preparation:

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

Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Acute Tox. 4

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

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

N Dangerous for the environment

R50/53

Xn Harmful

R36/37/38

R22

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

3. Component Composition/Information

Name: 1,2-Dichlorobenzene

Formula: C₆H₄Cl₂ M.= 147,00 CAS [95-50-1]

EC number (EINECS): 202-425-9

EC index number: 602-034-00-7

REACH Registration Number: 01-2119451167-40-XXXX

4. 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. Loosen clothing to release respiratory channels.

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:

Administer Vaseline oil as a laxative (3 ml/kg). Laxatives: sodium sulphate (1 soup-spoonful in 250 ml of water). Do not drink milk. Do not administer castor oil. Do not drink ethyl alcohol. Avoid vomiting. Risk of aspiration. Seek medical assistance.

5. 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:

No specific data.

5.3 Special risks:

Flammable. Keep away from sources of ignition. In the event of fire, toxic fumes may form: May form explosive mixtures with the air.

5.4 Protective equipment:

Suitable clothing and footwear.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

No special indications.

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.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

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

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

VLA-EC: 50 ppm - 306 mg/m³

VLA-ED: 20 ppm - 122 mg/m³

8.3 Respiratory protection:

Use suitable breathing equipment. 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. Wash hands before breaks and when the job is done. Use suitable work clothing. Do not inhale the substance.

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: -17 °C

Initial boiling point and boiling range: 180 °C

Flash point: 66 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 12 %(V) / 1,2 %(V)

Vapour pressure: 1,33 hPa (20 °C)

Vapour density: N/A

Relative density: (20/4) 1,307

Solubility: Immiscible with water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 640 °C

Decomposition temperature: N/A

Viscosity: N/A

10. Stability and reactivity**10.1 Conditions which should be avoided:**

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

10.2 Matter which should be avoided:

Alkaline metals. Alkali-earth metals. Halogenated hydrocarbons. Aluminium. Light metals Acids. Water.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

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

11. Toxicological information

11.1 Acute toxicity:

LD L0 oral gpg : 2.000 mg/kg

LD50 oral rat : 500 mg/kg

LC L0 inh rat : 821 ppm 7h

LD50 ipr mus : 1.228 mg/kg

11.2 Dangerous effects for health:

If fumes inhaled: Irritations to the mucosae, breathing difficulties. Can cause coughing Can have a demoiaturizing effect on the skin, with the risk of secondary infection. Risk of cutaneous absorption. Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. If it is absorbed in large quantities: effects on the central nervous system psychosis headaches narcosis vertigo Prolonged exposure can cause hepatic problems alterations of the circulation No damage is anticipated to the foetus, provided the VLA values are respected (maximum admissible concentration in the workplace). Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) 3,14 mg/l

Classification:

Extr. toxic

Fish (L. Macrochirus) 27 mg/l

Classification:

Extr. toxic

P. reticulatus 5,9 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

High

12.1.3. - Observations:

Toxic product in any environment. Ecotoxicity acute and chronic.

12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Data not available.

Low biodegradability product.

12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk = ----

12.3.3. - Observations:

Data not available.

Bioaccumulable product.

12.4 Mobility in soil :

Repartition: $\log P(\text{oct}) = 3.38$

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other possible effects on the environment:

Maximum precaution handling it so as not to dump any.

High pollutant product.

13. 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.

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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. Information concerning transport

Overland (ADR):

Technical name: o-DICHLOROBENZENE

UN 1591 Class: 6.1 PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: o-DICHLOROBENZENE

UN 1591 Class: 6.1 PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: o-Dichlorobenzene

UN 1591 Class: 6.1 PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 663 PAX 655

15. Regulatory information

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

16. Other information

Other precautionary statements

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.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

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

R-phrases(s): **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R22 Harmful if swallowed.

S-phrases(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.
 S23c Do not breathe vapour.

Review number and date: 4 15.09.2011

Date published: 15.09.2011

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