

Safety Data Sheet

According to Regulation (EC) 1907/2006



3675 Dichloromethane *stabilized with ~ 0,2% of ethanol

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

1.1 Identification of the substance or preparation

Name:

Dichloromethane *stabilized with ~ 0,2% of ethanol

1.2 Synonym:

Methylene Chloride, Methylene Dichloride

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.

Carc. 2

Hazard Pictograms



Signal word

Warning

Hazard statements

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

Precautionary statements

P201 Obtain special instructions before use.

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

P281 Use personal protective equipment as required.

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

P405 Store locked up.

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

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

Xn HarmfulR40

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

Component Composition/Information

Name: Dichloromethane *stabilized with ~ 0,2% of ethanol

Formula: CH₂Cl₂ M.= 84,93 CAS [75-09-2]

EC number (EINECS): 200-838-9

EC index number: 602-004-00-3

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:

Avoid vomiting. Risk of aspiration. Do not administer digestive oils. Do not drink milk. Do not drink ethyl alcohol. 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:

Incombustible. The fumes are heavier than air, so they may spread at floor level. In the event of fire, toxic fumes may form.

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. Away from light. Atmospheric temperature. Do not store in plastic containers. Do not store in metal containers.

Staff exposure/protection controls

8.1 Technical protective measures:

Ensure good ventilation and renewal of the air in the premises.

8.2 Exposure limit control:

TLV-TWA: 50 ppm ó 174 mg/m³

VLA-ED: 50 ppm ó 177 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter AX. Filter P3.

8.4 Hand protection:

Use suitable gloves neopren nitrile

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Use complete protective equipment.

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: 7

Melting point/freezing point: -95 °C

Initial boiling point and boiling range: 39,75 °C

Flash point: NO

Flammability (solid, gas):

Upper/lower flammability or explosive limits: 25 %(V) / 14 %(V)

Vapour pressure: 453 hPa (20 °C)

Vapour density:

Relative density: (20/4) 1,3258

Solubility: 20 g/l water 20 °C

Partition coefficient: n-octanol/water:

Auto-ignition temperature: 605 °C

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Alcoholates. Alkaline amides. Perchloric acid. Nitric acid. Alcohols. Amines. Alkaline metals. Alkali-earth metals. Metals (powder). Nitrogen oxides. Non-metal oxides. Oxygen Aromatic hydrocarbons. Water. Aromatic hydrocarbons. Acids. Steel.

10.3 Hazardous decomposition products:

Hydrogen chloride. Phosgene.

10.4 Complementary information:

Heat sensitive. Light-sensitive. The gases/fumes can form explosive mixtures with the air.

Toxicological information

- **Acute toxicity:**

LD L0 oral hmn : 357 mg/kg

LD50 oral rat : 1.600 mg/kg

TC L0 inh man : 500 ppm 8h

LC L0 inh rbt : 10000 ppm 7h

- **Dangerous effects for health:**

Upon contact with the skin: Irritations to the skin and mucosae. Through contact with the eyes: irritations sight disorders If swallowed: nausea vomiting If it is absorbed in large quantities: effects on the central nervous system dizziness vertigo arrhythmia hypotension respiratory paralysis intoxication narcosis The following cannot be ruled out: kidney problems hepatic problems

Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (*Photobacterium phosphoreum*) 1000 mg/l

Classification:

Very toxic

Algae (*Scenedesmus* sp) 125 mg/l

Classification:

Highly toxic

Crustaceans (*Daphnia magna*) 2270 mg/l

Classification:

Very toxic

Fish (*Leuciscus Idus*) 525 mg/l

Classification:

Highly toxic

P. reticulatus 294 mg/l

Classification:

Highly toxic

12.2.2 - Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

12.2.3 - Observations:

Toxic product in any environment. Ecotoxicity acute and chronic.

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:

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: DICHLOROMETHANE

UN 1593 Class: 6.1 Packaging group: III (E)

By sea (IMDG):

Technical name: DICHLOROMETHANE

UN 1593 Class: 6.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Dichloromethane

UN 1593 Class: 6.1 Packaging group: III

Packaging instructions: CAO 612 PAX 605

Regulatory information

Other information

Other precautionary statements

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

R-phrases(s):	R40 Limited evidence of a carcinogenic effect.
S-phrases(s):	S36/37 Wear suitable protective clothing and gloves. S24/25 Avoid contact with skin and eyes. S23c Do not breathe vapour.

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.