



Safety Data Sheet According to Regulation (EC) 1907/2006

1254 Dichloromethane *stabilized with amylene

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Dichloromethane *stabilized with amylene

Synonym:

Methylene Chloride, Methylene Dichloride

CAS: [75-09-2]

REACH Registration Number: 01-2119480404-41-XXXX

1.2 Relevant identified uses of the substance or mixture:

Use as Intermediate.

Solvent.

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

2.1 Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Carc. 2

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

Xn Harmful

R40

2.2 Label elements:

Hazard Pictograms



Signal word

Warning

Hazard statements

H351 Suspected of causing cancer.

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.

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

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

Name: Dichloromethane *stabilized with amylene

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

EC number (EINECS): 200-838-9

EC index number: 602-004-00-3

REACH Registration Number: 01-2119480404-41-XXXX

4. First aid measures

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 immediately to provide artificial respiration. Seek immediate medical assistance. Loosen clothing to release respiratory channels.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing. Seek immediate medical assistance.

4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

4.5 Swallowing:

Wash mouth out immediately. Do not induce vomiting. Administer a solution of medical-usage active charcoal. Call for medical help.

· Most important symptoms and effects, both acute and delayed:

See Section 11 for more information.

· Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. Firefighting measures

5.1 Suitable extinguishing media:

Carbon dioxide (CO₂). Alcohol resistant foam. Dry powder. Atomized water.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

Incombustible. The fumes are heavier than air, so they may spread at floor level. In the event of fire, toxic fumes may form: HCl, CO, CO₂, COCl₂.

5.4 Advice for firefighters:

Suitable clothing and footwear. Self-contained breathing equipment. Cool the recipients with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the fumes. Use personal protective equipment as required. Avoid contact with the skin, eyes or clothing. Ensure adequate ventilation.

6.2 Environmental precautions:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

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.

7. Handling and storage

7.1 Precautions for safe handling:

Avoid breathing dust, fume, gas, mist, vapours or spray. Avoid sources of ignition. Do not smoke. Ensure good ventilation and renewal of the air in the premises. Handle with caution.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. In a cool, dry, well ventilated place. Away from sources of ignition and heat. Do not store in plastic containers.

Recommended storage temperature: Room temperature.

· **Storage class:** 6.1 D

· **Technical instructions (air):** -

7.3 Specific end use(s):

No further relevant information available.

8. Exposure controls/personal protection

8.1 Exposure controls:

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

8.2 Control parameters:

VLA-ED: 50 ppm = 177 mg/m³

Derived No Effect Level (DNEL)

Workers Inhalation, long term (systemic): 706 mg/m³
Workers Dermal, long exposure (systemic): 4750mg/kg
Workers Inhalation, long term (systemic): 353 mg/m³
Population Inhalation, acute (systemic): 353 mg/m³
Population, Dermal, long exposure (systemic): 2395mg/kg
Population Inhalation, long term (systemic): 88,3 mg/m³
Population, oral, long term (systemic): 0,06mg/kg

Predicted No Effect Concentration (PNEC)

Freshwater: 0,54mg/l
Marine water: 0,194mg/l
Freshwater Sediment: 4,47mg/kg
Marine water Sediment: 1,61mg/kg
Soil: 0,583mg/kg
Sewage treatment plant: 26mg/l

8.3 Respiratory protection:

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

8.4 Hand protection:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:**

Material: Fluorocarbon rubber (Viton) Recommended thickness of the material:

$\geq 0,7$ mm Breakthrough time: ≥ 120 min.

Inadequate material: Natural rubber latex., PVC

8.5 Eye/face protection:

Use safety glasses.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

8.7 Environmental exposure controls:

Avoid pollution of the soil, water supplies and drains.

9. Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: -95 °C

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

Flash point: NO

Flammability (solid, gas):

N/A

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

Vapour pressure: 453 hPa (20 °C)

Vapour density: N/A

Relative density:

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(20/4) 1,3258 g/ml

Solubility: 20 g/l in water (20 °C)

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 605 °C

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity: 0,43 mPa.s (20 °C)

10. Stability and reactivity

10.1 Conditions to avoid:

High temperatures. Humidity.

10.2 Incompatible materials:

Strong oxidant agents. Alkaline metals. Alkali-earth metals.

10.3 Hazardous decomposition products:

Hydrogen chloride. Phosgene. Chlorine. Carbon monoxide.

10.4 Chemical stability:

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

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat : 2.000 mg/kg

LD50 skn rat : 2.000 mg/kg

LC50 inh rat : 49000 mg/m³ 7h

11.2 Dangerous effects for health:

Skin corrosion/irritation: irritations **Serious eye damage/irritation:** irritations

Respiratory or skin sensitisation: No evidence. **Germ cell mutagenicity:** No

evidence. **Carcinogenicity:** Classified as:, Carc. 2 **Reproductive toxicity:** No

evidence. **STOT- single exposure:** breathing difficulties, effects on the central

nervous system **STOT-repeated exposure:** If inhaled:, hepatic problems If

swallowed:, hepatic problems **Aspiration hazard:** Data not available.

•Most important symptoms and effects acute: If inhaled: In high concentrations:, headaches, vertigo, tiredness, nausea, vomiting, Risk of, pulmonary oedema, pneumonia., effects on the central nervous system Upon contact with the skin: Irritations to the respiratory tracts., drowsiness, dizziness irritations, Risk of cutaneous absorption., Risk of cutaneous effects Through contact with the eyes: irritations If swallowed: Irritation of the digestive apparatus, nausea, vomiting, diarrhoea, blood alterations, hepatic problems, kidney problems, Risk of, loss of consciousness

12. Environmental information

12.1 Toxicity:

Acute toxicity for fish:

(Pimephales Promelas) LC50 193 mg/l (96h)

(Fundulus heteroclitus) (Salt water) LC50 97 mg/l (96h)

Acute toxicity for aquatic invertebrates:

(Daphnia magna) EC50 27 mg/l

(Palaemonetes pugio) (Salt water) EC50 109 mg/l

Acute toxicity for Algae:

Algae (M. aeruginosa) EC50 590 mg/l

(Active sludges) EC50 2590 mg/l

12.2 Persistence and Degradability :

Easily biodegradable product.

12.3 Bioaccumulative potential:

log Pow = < 3

Non-bioaccumulable product.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria for PBT (persistent / bioaccumulative / toxic).

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria vPvB (very persistent / very bioaccumulative).

12.6 Other adverse effects:

Do not allow it to enter soils or water channels.

12.7 General notes:

· **Water hazard class:**

(German Regulation) (Assessment by list):

2 hazardous for water.

(Dutch Regulation):

1 Blacklist substance (76/464/EEC).

13. Disposal considerations

13.1 Waste treatment methods:

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. Transport information

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 663 PAX 655

15. Regulatory information

For this product a chemical safety assessment was carried out.

16. Other information

Other precautionary statements

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

R-phrase(s): **R40** Limited evidence of a carcinogenic effect.

S-phrase(s): **S36/37** Wear suitable protective clothing and gloves.

S24/25 Avoid contact with skin and eyes.

S23c Do not breathe vapour.

Version and revision date : 5 07.10.2013

Replaced: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 4,5,6,7,8,10,11,12

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.