



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006

15A703 Allyl Alcohol, 99% PS

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

1.1 Identification of the substance or preparation

Name:

Allyl Alcohol

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

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Emergencies:

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2. Identification of dangers

Flammable. Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms.

3. Component Composition/Information

Name: Allyl Alcohol

Formula: C_3H_6O M.=58,08 CAS [107-18-6]

EC number (EINECS): 203-470-7

EC index number: 603-015-00-6

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.

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.

4.5 Swallowing:

Administer Vaseline oil as a laxative (3 ml/kg). Avoid vomiting. Risk of aspiration. Seek immediate medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Carbon dioxide (CO_2). Dry powder. Foam.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Combustible. May form explosive mixtures with the air. The fumes are heavier than air, so they may spread at floor level.

5.4 Protective equipment:

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

6.1 Individual precautions:

Do not inhale the fumes. Ensure adequate ventilation.

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.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. In well ventilated premises. In a cool place.

8. 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:

PEL-TWA: 5 mg/m³ (OSHA)

STEL: 2 ppm or 4,8 mg/m³ (ACGIH)

VLA-ED: 2 ppm or 5 mg/m³

VLA-EC: 5 ppm or 12 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, 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 and face before breaks and when the job is done. Do not eat, drink or smoke in the workplace.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

9. Physical and chemical properties

Appearance:

Transparent, colourless liquid.

Odour:

Characteristic.

Boiling point: 97°C

Melting point: -50°C

Flash point: 21°C

Self-ignition temperature: 375°C

Explosion limits (lower/upper): 2,5 / 18 Vol. %

Vapour pressure: 24 hPa (20°C)

Density (20/4): 0,852

Solubility: Miscible with water

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Oxidant agents.

10.3 Hazardous decomposition products:

10.4 Complementary information:

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 64 mg/kg

LD₅₀ dermal rabbit: 45 mg/kg

LD₅₀ oral rabbit: 71 mg/kg

LC₅₀ inh rat: 76 ppm/8H

11.2 Dangerous effects for health:

If fumes inhaled: Irritations to the respiratory tracts. Can cause coughing, breathing difficulties.

Upon contact with the skin: irritations. Risk of cutaneous absorption.

Through contact with the eyes: Irritations to the mucosae, sight disorders. Can cause burns. Risk of blindness (irreversible injury of the optic nerve).

Can cause narcosis, hepatic problems, kidney problems.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Mobility:

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 data not available.

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:

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels.

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.

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.

14. Information concerning transport

Overland (ADR):

Technical name: ALCOHOL ALÍLICO

ONU 1098 Class: 6.1 (C/D)

By sea (IMDG):

Technical name: ALCOHOL ALÍLICO

ONU 1098 Class: 6.1 Packaging group: I

By air (ICAI-IATA):

Technical name: Alcohol alílico

ONU 1098 Class: 6.1

Packaging instructions: CAO P PAX P

15. Mandatory information

15.1 Labelling as per REACH

Symbols: 

Danger indications: Toxic Dangerous for the environment

Phrases R: 10-23/24/25-36/37/38-50 Flammable. Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms.

Phrases S: 36/37/39-38-45-61 Wear suitable protective clothing, gloves and eye-face protection. In case of insufficient ventilation, wear suitable, respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid release to the environment. Refer to special instructions-safety data sheet.

EC index number: 603-015-00-6

16. Other information

Review number and date:2 07.06.09

In respect of the previous review, changes have been made to the following sections: 8.

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.