



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

15A713 Maleic Anhydride, 98% PS

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

1.1 Identification of the substance or preparation

Name:

Maleic Anhydride

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:

Single telephone number for emergency calls: 112 (EU)

Tel.:(+34) Tel.:(+34) 937 489 499

2. Identification of dangers

Harmful if swallowed. Causes burns. May cause sensitization by inhalation and by skin contact.

3. Component Composition/Information

Name: Maleic Anhydride

Formula: COCHCHCOO M.=98,06 CAS [108-31-6]

EC number (EINECS): 203-571-6

EC index number: 607-096-00-9

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.

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:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Foam. Dry powder. Carbon dioxide (CO₂).

5.2 Fire-fighting means which must NOT be used:

Water.

5.3 Special risks:

Combustible. Keep away from sources of ignition. Risk of explosion of dust.

5.4 Protective equipment:

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

6.1 Individual precautions:

6.2 Precautions for care of the environment:

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:

Handle under an extractor fan. Moisture-sensitive.

7.2 Storage:

Well sealed containers. In well ventilated premises. Dry atmosphere.

8. Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-ED: 0,25 ppm or 1 mg/m³.

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter A-P

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 before breaks and when the job is done.

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:

White solid.

Odour:

Characteristic.

Boiling point: 202°C

Melting point: 54°C

Flash point: 103°C

Self-ignition temperature: 475°C

Explosion limits (lower/upper): 1,4/7,1 Vol. %

Vapour pressure: (40°C) 1,3 hPa

Density (20/4): 1,48

Solubility: in water at 20°C: breaks down.

10. Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Water. Bases. Amines. Alkaline metals.

10.3 Hazardous decomposition products:

10.4 Complementary information:

Moisture sensitive.

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 400 mg/kg

LD₅₀ oral mouse: 465 mg/kg

LD₅₀ dermal rabbit: 2620 mg/kg

LD₅₀ intraperitoneal rat: 97 mg/kg

11.2 Dangerous effects for health:

If dust inhaled: Irritations to the mucosae, breathing difficulties. Can cause: coughing, sensitization, allergic reaction.

Upon contact with the skin: irritations, burns, sensitization.

Through contact with the eyes: irritations, burns.

If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Causes 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:ThOD= -----

BOD₅ = -----

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:

Environmental risks cannot be excluded if used and/or disposed of inappropriately.

Product hardly pollutant for water.

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: ANHÍDRIDO MALEICO

ONU 2215 Class: 8 Packaging group: III (E)

By sea (IMDG):

Technical name: ANHÍDRIDO MALEICO

ONU 2215 Class: 8 Packaging group: III

By air (ICAI-IATA):


Technical name: Anhídrido maleico

ONU 2215 Class: 8 Packaging group: III

Packaging instructions: CAO 823 PAX 822

15. Mandatory information

15.1 Labelling as per REACH

Symbols: 

Danger indications: Corrosive

Phrases R: 22-34-42/43 Harmful if swallowed. Causes burns. May cause sensitization by inhalation and by skin contact.

Phrases S: 22-26-36/37/39-45 Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye-face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC index number: 607-096-00-9

16. Other information

Review number and date:3 07.06.09

In respect of the previous review, changes have been made to the following sections: 14.

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.