



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

161603 **Resorcinol, 99% PS**

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

1.1 Identification of the substance or preparation

Name:

Resorcinol

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. Irritating to eyes and skin. Very toxic to aquatic organisms.

3. Component Composition/Information

Name: Resorcinol

Formula: $C_6H_6O_2$ M.=110,11 CAS [108-46-3]

EC number (EINECS): 203-585-2

EC index number: 604-010-00-1

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. In the event of irritation, 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:

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

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form.

5.4 Protective equipment:

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

6.1 Individual precautions:

Avoid contact with the skin, eyes or clothing.

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. Clean any remains with plenty of water.

7. Handling and storage

7.1 Handling:

Air and light-sensitive.

7.2 Storage:

Well sealed containers. Dry atmosphere. Away from light. Atmospheric temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-ED: 10 ppm or 46 mg/m³

VLA-EC: 20 ppm or 92 mg/m³

8.3 Respiratory protection:

If dust forms, 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.

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.

pH X4-6

Boiling point: 281°C

Melting point: 110°C

Flash point: 127°C

Self-ignition temperature: 605°C

Vapour pressure: 0,01 mbar(20°C

Density (20/4): 1,28

Solubility: 1000 g/l in water at 20°C

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Oxidant agents. Air.

10.3 Hazardous decomposition products:

10.4 Complementary information:

Risk of explosion of dust. The gases/fumes can form explosive mixtures with the air.

Reacts easily.

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 301 mg/kg

LDLo oral man: 29 mg/kg

LD₅₀ dermal rabbit: 3360 mg/kg

LD₅₀ intraperitoneal mouse: 215 mg/kg

Rabbit skin sensitization test: 20 mg/24h: mod.

Eye irritation test (rabbits): 100 mg/72h: highly

11.2 Dangerous effects for health:

Upon contact with the skin: irritations.

Through contact with the eyes: irritations.

Systemic effects: effects on the central nervous system, cardiovascular disorders, headaches, anxiety, spasms, blood alterations.

If dust inhaled: Irritations to the respiratory tracts.

If swallowed: Absorption. Irritations to the mucosae. Functional disorders of the thyroid gland.

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

12. Environmental information

12.1 Mobility:

Repartition: $\log P(\text{oct}) = 0,8$

12.2 Ecotoxicity:

12.1.1 - EC_{50} test (mg/l):

Algae (*Sc. quadricauda*) = 60 mg/l ; Classification: Extr. toxic

Crustaceans (*Daphnia magna*) = EC_0 1 mg/l ; Classification: Extr. toxic

Fish (*C. carpio*). = EC_0 35 mg/l ; Classification: Extr. toxic

Fish (*P. promelas*) = EC_0 89 mg/l ; Classification: Extr. toxic

Bacteria (*Photobacterium phosphoreum*) = 310 mg/l ; Classification: Highly toxic

12.2.2 - Receptor medium:

Risk for the water environment = Medium

Risk for the land environment = Medium

12.2.3 - Observations:

12.3 Degradability:

12.3.1 - Test:ThOD= 1,89 g/g

CODD= 100% ThOD

BODD= 61 %D $ThOD_5$

12.3.2 - Biotic degradation classification:

BOD_5/COD Biodegradability = High, over 1/3

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Easily biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = Low

12.4.3 - Observations:

Product with a low bioaccumulative potential.

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: RESORCINOL

ONU 2876 Class: 6.1 Packaging group: III (E)

By sea (IMDG):

Technical name: RESORCINOL

ONU 2876 Class: 6.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Resorcinol

ONU 2876 Class: 6.1 Packaging group: III

Packaging instructions: CAO 619 PAX 619

15. Mandatory information

15.1 Labelling as per REACH

Symbols:  

Danger indications: Harmful Dangerous for the environment

Phrases R: 22-36/38-50 Harmful if swallowed. Irritating to eyes and skin. Very toxic to aquatic organisms.

Phrases S: 26-61 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid release to the environment. Refer to special instructions-safety data sheet.

EC index number: 604-010-00-1

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.