

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



1603 Resorcinol

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

1.1 Identification of the substance or preparation

Name:

Resorcinol

Synonym:

1,3-Benzenediol, 1,3-Dihydroxybenzene

REACH Registration Number: 01-2119524016-51-XXXX

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

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

Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Acute Tox. 4

Eye Irrit. 2

Skin Irrit. 2

Aquatic Acute 1

Hazard Pictograms



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H400 Very toxic to aquatic life.

Precautionary statements

P264 Wash...thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

| | |
|----------------------------------------|--------|
| N Dangerous for the environment | R50 |
| Xn Harmful | R36/38 |
| | R22 |

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

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
REACH Registration Number: 01-2119524016-51-XXXX

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 (CO₂). Dry powder.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

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

5.4 Protective equipment:

Suitable clothing and footwear.

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. Room temperature.

8. Staff exposure/protection controls**8.1 Technical protective measures:**

No special indications.

8.2 Exposure limit control:

VLA-EC: 20 ppm - 92 mg/m³

VLA-ED: 10 ppm - 46 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.

9. Physical and chemical properties

Appearance: solid

Colour:

N/A

Granulometry: N/A

Odour: Characteristic.

pH: 4 - 6

Melting point/freezing point: 110 °C

Initial boiling point and boiling range: 281 °C

Flash point: 127 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 1 hPa (108 °C)

Vapour density: N/A

Relative density:

N/A

Solubility: 1.000 g/l in water 20 °C

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 605 °C

Decomposition temperature: above 281 °C

Viscosity: N/A

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:

No specific data.

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:

LD L0 oral man : 29 mg/kg

LD L0 oral hmn : 29 mg/kg

LD50 oral rat : 301 mg/kg

LD50 skn rbt : 3.360 mg/kg

LD50 ipr mus : 215 mg/kg

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 Toxicity:

12.1.1 - EC50 test (mg/l):

Algae (Sc. quadricauda) 60 mg/l

Classification:

Extr. toxic

Crustaceans (Daphnia magna) EC0 1 mg/l

Classification: Extr. toxic

Fish (C. carpio). EC0 35 mg/l

Classification: Extr. toxic

Fish (P. promelas) EC0 89 mg/l

Classification: Extr. toxic

Bacteria (Photobacterium phosphoreum) 310 mg/l

Classification:

Highly toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Medium

12.1.3. - Observations:

12.2 Persistence and Degradability :

12.2.1 - Test:

COD D= 100% ThOD

ThOD 1,89 g/g

BOD D= 61 %D ThOD5

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

High, over 1/3

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Easily biodegradable product.

12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk = Low

12.3.3. - Observations:

Product with a low bioaccumulative potential.

12.4 Mobility in soil :

Repartition: log P(oct)= 0,8

12.5 Assessment PBT and MPMB :

Data not available.

12.6 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.

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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. Information concerning transport

Overland (ADR):

Technical name: RESORCINOL

UN 2876 Class: 6.1 PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: RESORCINOL

UN 2876 Class: 6.1 PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Resorcinol

UN 2876 Class: 6.1 PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 677 PAX 670

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. Other information

Other precautionary statements

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P391 Collect spillage.

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

R-phrases(s): **R50** Very toxic to aquatic organisms.
 R36/38 Irritating to eyes and skin.
 R22 Harmful if swallowed.

S-phrases(s): **S61** Avoid release to the environment. Refer to
 special instructions/safety data sheets.
 S26 In case of contact with eyes, rinse
 immediately with plenty of water and seek
 medical advice.

Review number and date: 4 15.09.2011

Date published: 15.09.2011

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