Safety Data Sheet

Release 1.0

 Revision
 11/25/2020

 Date of issue
 10/19/2021



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1 Identification of the substance Identification of the substance

1.1 Identification of the

substance

4-n-Butylresorcinol

Additional identification

2,4-Dihydroxy-n-butylbenzene;4-Butylbenzene-1,3-diol;Rucinol

Biosynth catalog no.

FB168030

REACH No.

A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a

registration.

Use of the substance/preparation

1.2 Identified uses other biochemicals

1.2 Restriction on use not for food or drug use, for laboratory use only

1.3 Company Carbosynth Ltd

8&9 Old Station Business Park

COMPTON RG20 6NE

Phone +44 1635 578444

Mail customerservice@biosynth-carbosynth.com

1.4 Emergency Number

Phone Office hours: +44 1635 578444

2 Hazards identification

Health Hazards

serious irritation (Category 2)

acute toxicity (Category 2)

acute toxicity (Category 4)

Enviromental Hazards

Acute aquatic toxicity (Category 1), H400

Physical Hazards

not classified

Possible Hazards (Summary)

GHS Labeling

Regulatory List

EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol

GHS07 exclamation mark

Pictogram



GHS09 environmental hazards

Pictogram



Signal Word

Warning Warning

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Hazard Statement

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

Precautionary Statement

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.
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.

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. Remove contact lenses, if possible.

Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3 Composition/information on ingredients

Substance related information

Substance name 4-n-Butylresorcinol

Synonymes 2,4-Dihydroxy-n-butylbenzene;4-Butylbenzene-1,3-diol;Rucinol

Cas No. [18979-61-8] Formula $C_{10}H_{14}O_2$

4 First aid measures

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment

Treat symptomatically.

5 Firefighting measures

Extinguishing Media

Suitable

foam, dry extinguishing powder, carbon dioxide (CO2), water spray jet

Hazards During Fire-Fighting

toxic fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures

Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

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Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up

not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7 Handling and storage

Handling

Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage

Storage temperature

store at 10°C - 25°C

Storage condition

keep under inert gas: Nitrogen, protect from light

Storage Requirements

Keep away from incompatible substances. Keep container tightly closed when not in use.

8 Exposure controles/personal protection

Exposure limit values

Exposure limit values

Does not contain any substances with occupational exposure limits.

Exposure controles

Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment

Respiratory Protection

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9 Physical and chemical properties

Form

powder

Phase Transition Solid/Liquid

47.00 °C

Phase Transition Liquid/Gas

155.00 °C

Molar Mass

166.22 g/mol

Flash Point

145.00 °C

10 Stability and reactivity

Conditions to Avoid

incompatible materials, light, air

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Substances to Avoid

strong oxidizers

Decomposition Products

carbon dioxide (CO2), carbon monoxide

11 Toxicological information

Acute Toxicity

LD50 oral, Rat, 500 mg/kg

Other Relevant Toxicity Information

Only selected Registry of toxic effects of chemical substances (RTECS) data is presented here. For the complete information, consult current entry in RTECS.

12 Ecological Information

Additional Ecotoxicological Remarks

Memo: Very toxic to aquatic life.

Biodegradation

Remarks: no data available

Bioaccumulation

Remarks : no data available **Distribution in Environment** Remarks : no data available **Distribution in Environment**

no data available

Distribution in Environment

no data available

Acute toxicity versus Fishing

no data available

Acute toxicity in aquatic plants

no data available

Acute toxicity versus Daphnia and others aquatic invertebrates

no data available

Results of the PBT and vPvB assessment

no data available

Mobility in soil

no data available

13 Disposal considerations

Advice on Disposal and Packaging

Advice on Disposal

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging

not available

14 Transport information

Road Transport (ADR/GGVS)

UN No. 3077
Class(es) 9
Packaging group III

Proper Shipping Name Environmentally hazardous substance, solid, n.o.s. (4-n-Butylresorcinol)

Air Transport (IATA)

UN No. 3077
Class(es) 9
Packaging group III

Proper Shipping Name Environmentally hazardous substance, solid, n.o.s. (4-n-Butylresorcinol)

15 Other regulations

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Other Regulations

Regulatory List IECSC

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	Restrictions on Cartain	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
4-n-Butylresorcinol			

16 Additional information

GHS Labeling

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