

SAFETY DATA SHEET

BENZOIC ACID, POWDER PH EUR, BP, USP, E210

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

1.1 Identification of the substance or preparation:

Catalogue no. : KA926

Product name : Benzoic Acid, powder Ph Eur, BP, USP, E210

Synonym : Benzoic Acid

1.2 Use of the substance/preparation: For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm: Elago Enterprises Pty Ltd, 5 The Cloisters, Cherrybrook, N.S.W. 2126, Australia

Tel no. (61) 2 98998169

Fax no. (61) 2 98997976

1.4 Emergency telephone: (61) 2 98998169 (9:00am - 5:00 pm) [Office hours]

2. Identification of dangers

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Skin irritation, Category 2, H315

Serious eye damage, Category 1, H318

Specific target organ toxicity - repeated exposure, Category 1, Inhalation, Lungs, H372

Classification EC 67/548 or EC 1999/45

Symbol(s): Xi : Irritant.

R Phrase(s): R37/38 : Irritating to respiratory system and skin.

R41 : Risk of serious damage to eyes.

S Phrase(s): S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 : Wear eye/face protection.

Signal words : Danger

Hazard pictograms



Hazard statements : H315 Causes skin irritation.

H318 Causes serious eye damage.

H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Precautionary statements:

Prevention: P280 Wear eye protection.

Response : 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.

Rinse skin with water/shower.

P314 Get medical advice/ attention if you feel unwell.

Other hazards: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation: Benzoic Acid

Formula: C₆H₅COOH / C₇H₆O₂ (Hill)

CAS No : 65-85-0

EC No : 200-618-2

Molecular weight : 122.12

Contains no other components or impurities which will influence the classification of the product.

4. First-aid measures

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 sickness persists, seek medical assistance.

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 immediate medical assistance.

4.5 Ingestion: Wash mouth out immediately. In the event of sickness, seek medical assistance.

5. Fire-fighting measures

- 5.1 Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- 5.2 Unsuitable extinguishing media : Do not use a heavy water stream.
- 5.3 Surrounding fires : Use water spray or fog for cooling exposed containers.
- 5.4 Hazardous combustion products : Under fire conditions, hazardous fumes will be present.
- 5.5 Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- 5.6 Special procedures :Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures

- 6.1 Individual precautions: Avoid contact with the skin, eyes or clothing. Do not inhale the fumes. Ensure adequate ventilation. Avoid sources of ignition. Do not smoke.
- 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: Ensure good ventilation and renewal of the air in the premises. Avoid the formation of electrostatic charges.
- 7.2 Storage: Well sealed containers. In a cool, dry, well ventilated place. Away from sources of ignition and heat.

8. Exposure controls/personal protection

8.1 Control parameters:

Derived No Effect Level (DNEL)

Worker DNEL, longterm	Systemic effects	inhalation	3 mg/m ³
Worker DNEL, longterm	Local effects	inhalation	0.1 mg/m ³
Worker DNEL, longterm	Systemic effects	dermal	62.5 mg/kg Body weight
Consumer DNEL, longterm	Systemic effects	inhalation	1.5 mg/m ³
Consumer DNEL, longterm	Local effects	inhalation	0.06 mg/m ³
Consumer DNEL, longterm	Systemic effects	dermal	31.25 mg/kg Body weight
Consumer DNEL, longterm	Systemic effects	oral	8.3 mg/kg Body weight

Predicted No Effect Concentration (PNEC)

PNEC Fresh water	0.34 mg/l
PNEC Marine water	0.034 mg/l
PNEC Aquatic intermittent release	0.331 mg/l
PNEC Sewage treatment plant	100 mg/l
PNEC Fresh water sediment	1.75 mg/kg
PNEC Marine sediment	0.175 mg/kg
PNEC Soil	0.151 mg/kg

8.2 Exposure controls: Ensure good ventilation and renewal of the air in the premises.

Respiratory protection: If dust forms, use suitable respiratory protection.

Hand protection: Use suitable gloves.

Eye protection: Use safety glasses.

Individual hygiene measures: Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

Environmental exposure controls: Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance:	Solid.
Colour:	Colourless or white
Odour:	Characteristic.
pH value:	2.5 - 3.5 (20 °C)
Melting Point:	121 - 123 °C
Boiling Point:	249 °C (1,013 hPa)
Flash point:	121 °C
Flammability (solid, gas) :	No data available.
Lower explosion limit:	No data available.
Upper explosion limit:	No data available.
Evaporation rate :	No data available.
Vapour pressure:	0.001 hPa (20 °C)
Vapour density :	4.21
Solubility :	2.9 g/l (25 °C).
Relative density :	No data available.

Partition coefficient: n-octanol/water: log Pow: 1.88 (experimental) (IUCLID) Bioaccumulation is not expected. (Lit.)

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity : No data available.

Explosive properties: No data available.

Oxidizing properties: No data available.

10. Stability and reactivity

- 10.1 Conditions which should be avoided: Adjacent sources of heat. Humidity.
- 10.2 Incompatible materials: Strong acids. Strong bases.
- 10.3 Hazardous decomposition products: No specific data.
- 10.4 Chemical stability: The product is chemically stable under standar ambient conditions (room temperature).

11. Toxicological information

- 11.1 Acute toxicity: LD50 oral rat : 2.565 mg/kg (OECD 423)
NOAEL oral rat : > 500 mg/kg Not classified as toxic for reproduction., Risk of aspiration., Not classified.
LD50 skn rbt : 2.000 mg/kg (OECD 403)
NOAEL skn rat : 2.500 mg/kg
LC50 inh rat : 12.2 mg/l 4h, (OECD 402)
NOAEL inh rat : 250 mg/m³ Specific organ toxicity (repeated exposure);, May cause respiratory irritation.
- Dangerous effects for health: Through contact with the eyes: May cause:, Serious injuries, (OECD 405)
Known or mutagenic effects: No evidence., (OECD 471)
- 11.2 Further information: After uptake of large quantities: Stomach/intestinal disorders, Diarrhoea Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

- 12.1 Toxicity: Fish LC50 >100 mg/l/96h
Crustaceans (Daphnia magna) EC50 >100 mg/l/48h
Algae EC50 >100 mg/l/72h
Water organisms EC50 >1000 mg/l/3h
- 12.2 Persistence and Degradability: Easily biodegradable product.
- 12.3 Bioaccumulative potential: Partition coefficient: n-octanol/water log Pow: 1,88 (experimental)
(IUCLID) Bioaccumulation is not expected. (Lit.)
- 12.4 Mobility in soil: Not established.
- 12.5 Assessment PBT and MPMB: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Regulation (EC) No 1907/2006, Annex XIII.
- 12.6 Other possible effects: Avoid release to the environment.

13. Disposal considerations

- Disposal considerations: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information

- 14.1 Overland (ADR): Not regulated
- 14.2 By sea (IMDG): Not regulated
- 14.3 By air (ICAI-IATA): Not regulated

15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
- 15.2 Chemical Safety Assessment : Not applicable

16. Other Information

- Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
- Sources of key data used: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Review number and date: v.1.1
- Date published: 7-Oct-2017
- Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable