

SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 1
Compilation date: 21/11/2018
Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: BENZOIC ACID 99.5% PH EUR / ACS
CAS number: 65-85-0
EINECS number: 200-618-2
Product code: GPC9927

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC21: Laboratory chemicals.

1.3. Details of the supplier of the safety data sheet

Select School Supplies
The Old Granary
Berghill House
Oswestry
SY11 4PD
01691 770366
sales@selectschoolsupplies.co.uk



1.4. Emergency telephone number

Emergency tel: 01691770366

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT RE 1: H372

Most important adverse effects: Causes skin irritation. Causes serious eye damage. Causes damage to organs [lungs] through prolonged or repeated exposure if inhaled.

2.2. Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.

H318: Causes serious eye damage.

H372: Causes damage to organs [lungs] through prolonged or repeated exposure if inhaled.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard

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SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 2



Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor.

2.3. Other hazards

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: BENZOIC ACID 99.5% PH EUR / ACS

CAS number: 65-85-0

EINECS number: 200-618-2

Contains: Molecular Formula : C₇H₆O₂

Molecular Weight : 122.12 g/mol

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Take immediately to hospital. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

[cont...]

SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 3

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation. Evacuate the area immediately. Avoid dust formation. Avoid breathing vapours, mist or gas.
For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Not applicable.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

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SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 4

8.1. Control parameters

Workplace exposure limits: No data available.

8.1. DNEL/PNEC Values

BENZOIC ACID 99.5% PH EUR / ACS

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	0.1 mg/m ³	Workers	Local
DNEL	Inhalation	3 mg/m ³	Workers	Systemic
DNEL	Dermal	62.5	Workers	Systemic
PNEC	Soil (agricultural)	0.151 mg/kg	-	-
PNEC	Marine water	0.034 mg/l	-	-
PNEC	Marine sediments	0.175 mg/kg	-	-
PNEC	Fresh water sediments	1.75 mg/kg	-	-
PNEC	Sewage treatment plant	100 mg/l	-	-
PNEC	Aquatic intermittent release	0.331 mg/l	-	-

8.2. Exposure controls

Engineering measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory protection: Particle filter class P3S (EN143). Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Eye protection: Face-shield. Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environmental: Do not let product enter drains. Prevent from entering in public sewers or the immediate environment.

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SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 5

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Crystalline

Colour: White

Boiling point/range°C: 249 °C

Flash point°C: 121 °C

Part.coeff. n-octanol/water: log Pow: 1.88

Vapour pressure: 13 hPa at 132 °C

Relative density: 1.320 g/cm³ at 20 °C

pH: 2.5 - 3.5 at 20 °C

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: No data available.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong bases. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data
STOT-repeated exposure	-	Based on test data

Symptoms / routes of exposure

Skin contact: No data available.

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SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 6

Eye contact: No data available.

Ingestion: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	44.6	mg/l
DAPHNIA	48H EC50	860	mg/l
ALGAE	48H EC50	> 33.1	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Recovery operations: Not applicable.

Disposal of packaging: Dispose of as unused product.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

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SAFETY DATA SHEET
BENZOIC ACID 99.5% PH EUR / ACS

Page: 7

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H315: Causes skin irritation.
H318: Causes serious eye damage.
H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.