



Safety Data Sheet

According to Regulation (EU) 830/2015

1014 Benzoic Acid

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Benzoic Acid

Synonym:

Benzenecarboxylic acid, Phenylformic acid

REACH Registration Number: 01-2119455536-33-XXXX

1.2 Relevant identified uses of the substance or mixture:

Exposure Scenarios	Main user groups principaux	Sectors of use (SU)	Chemical Product Category (PC)	Process Categories (PROC)	Substances in articles (AC)	Environmental Release Categories (ERC)
Industrial. Professional						

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)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Eye Dam. 1

Skin Irrit. 2

STOT RE 1

2.2 Label elements:

Hazard Pictograms



Signal word

Hazard statements

H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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

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

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: Benzoic Acid

Formula: $\text{C}_6\text{H}_5\text{COOH}$ M.= 122,12 CAS [65-85-0]

EC number (EINECS): 200-618-2

REACH Registration Number: 01-2119455536-33-XXXX

3.2 Mixtures

4. First aid measures

4.1 Description of first aid measures

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Swallowing:

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

Inhaling:

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

Contact with the skin:

Wash with plenty of soap and water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek immediate medical assistance.

5. Firefighting measures

5.1 Extinguishing media:

Atomized water. Carbon dioxide (CO₂). Alcohol resistant foam. Dry powder.

5.2 Special hazards arising from the substance or mixture:

Combustible. In the event of fire, toxic fumes may form. Auf Rückzündung achten. Do not allow extinguishing water into surface or underground water courses.

5.3 Advice for firefighters:

Suitable clothing and footwear. Self-contained breathing equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

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 Environmental precautions:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

6.4 Reference to other sections

Not applicable

7. Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation and renewal of the air in the premises. Avoid the formation of electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. In a cool, dry, well ventilated place. Away from sources of ignition and heat.

7.3 Specific end use(s)

No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:

DNELWorkers Dermal, long exposure (systemic): 34.7mg/kg/24h
DNELWorkers Dermal, long exposure (local): 4.5mg/cm²/24h
DNELWorkers Inhalation, long term (local): 6,3 mg/m³
DNELPopulation, oral, long term (systemic): 25mg/kg/24h
DNELPopulation Inhalation, long term (systemic): 2,1 mg/m³
DNELPopulation, Dermal, long exposure (systemic): 20.8mg/kg/24h
DNELPopulation, Dermal, long exposure (local): 2.7mg/cm²/24h
DNELPopulation Inhalation, long term (local): 1,3 mg/m³

8.2 Exposure controls

Ensure good ventilation and renewal of the air in the premises.

Respiratory protection:

If dust forms, use suitable respiratory protection., Filter P3.

Hand protection:

Use suitable gloves (neopren, PVC, nitrile)

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Wash hands before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Odourless.

pH: 2,8 ((Handbook))

Melting point/freezing point: 122,4 °C

Initial boiling point and boiling range: 249,2 °C (Handbook)

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 1,3 hPa (96 °C)

Vapour density: N/A

Relative density: 1,32 g/cm³ (20 °C) (Handbook)

Solubility: 2,9 g/l in () in water at 20°C

Partition coefficient: n-octanol/water: 1,87

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:
N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

10.2 Chemical stability:

The product is chemically stable under standar ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

No specific data.

10.4 Conditions to avoid:

Adjacent sources of heat. Humidity.

10.5 Incompatible materials:

Strong oxidant agents. Reducing agents. Alkaline compounds. Metals.

10.6 Hazardous decomposition products:

Phenols. Benzene

11. Toxicological information

11.1 Information on toxicological effects

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)

12. Environmental 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:

Non-bioaccumulable product.

12.4 Mobility in soil :

log Kow= 1,87

Product has a low potential for adsorption.

12.5 Assessment PBT and MPMB :

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria for PBT (persistent / bioaccumulative / toxic).
According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria vPvB (very persistent / very bioaccumulative).

12.6 Other adverse effects:

Data not available.

13. Disposal considerations

13.1 Waste treatment methods:

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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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. Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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

Other precautionary statements

P310 Immediately call a POISON CENTER or doctor/physician.

P314 Get medical advice/attention if you feel unwell.

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

P321 Specific treatment (see on this label).

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

P362 Take off contaminated clothing and wash before reuse.

Version and revision date : 7 07.10.2017

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

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.