

Safety data sheet according to 1907/2006/EC, Article 31

Page 1/9 Printing date 24.05.2023 Revision: 24.05.2023 Version number 8.04 (replaces version 8.03)

SECTION 1: Identification of the substance/mixture and of the company/ undertaking 1.1 Product identifier Trade name: Benzoic acid · Article number: 1014 · CAS Number: 65-85-0 · EC number: 200-618-2 · Index number: 607-705-00-8 · Application of the substance / the mixture **Biochemistry** Laboratory chemicals 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: PANREAC QUIMICA S.L.U. Tel. (+34) 937 489 400 C/Garraf 2 Fax. (+34) 937 489 401 Polígono Pla de la Bruguera e-mail: product.safety@itwreagents.com E-08211 Castellar del Vallès (Barcelona) · Further information obtainable from: email: product.safety@panreac.com · 1.4 Emergency telephone number: Single telephone number for emergency calls: 112 (EU) Tel.: (+34) 937 489 499

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
 Classification according to Regulation (EC) No 1272/2008
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Dam. 1 H318 Causes serious eye damage.
 STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
 2.2 Label elements
 Labelling according to Regulation (EC) No 1272/2008
 The substance is classified and labelled according to the GB CLP regulation.

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· Hazard pictograms



· Signal word Danger

Hazard statements
 H315 Causes skin irritation.
 H318 Causes serious eve damage.

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation. • **Precautionary statements**

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

P305+P351+P338 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/doctor.
- P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards

Results of PBT and vPvB assessment

- · PBT: Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.1 Substances
- · CAS No. Description
- 65-85-0 Benzoic acid
- · Identification number(s)
- **EC number:** 200-618-2
- · Index number: 607-705-00-8

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Involve doctor immediately.

After inhalation: In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Call a doctor immediately.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing: Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Gastric or intestinal disorders
- Coughing Nausea

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• **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture
- In case of fire, the following can be released:
- Carbon monoxide and carbon dioxide
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.
- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Avoid substance contact.

Ensure adequate ventilation

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Avoid formation of dust.

Dispose contaminated material as waste according to section 13.

Clean up affected area.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Any unavoidable deposit of dust must be regularly removed. • Information about fire - and explosion protection: No special measures required.

• 7.2 Conditions for safe storage, including any incompatibilities • Storage:

• Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

- Further information about storage conditions:
- Open receptacle only under localised extractor facilities.

Store under lock and key and with access restricted to technical experts or their assistants only. Keep container sealed.

· Recommended storage temperature: Room Temperature

· Storage class: 6.1 C

• 7.3 Specific end use(s) No further relevant information available.

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	ol parameters		· · · · · · ·
Ingredien DNELs	ts with limit values that require monito	oring at t	he workplace: Not required.
Oral	Long-term - systemic effects, general po	nulation	8 3 mg/kg
Dermal	Long-term - systemic effects, general po	pulation	62.5 mg/kg
Denna	Long term - systemic effects, general po	nulation	
Inhalative	Long-term - systemic effects, worker	pulation	3 mg/m3
minalative	Long-term - local effects, worker		0.1 mg/m3
	Long-term - systemic effects, general po	pulation	1.5 mg/m3
	Long-term - local effects, general popula	-	0.06 mg/m3
PNECs			0.00 mg/mo
	ompartment - freshwater	0.011 m	c/l
	ompartment - marine water	0.011 m	0
•	ompartment - marine water ompartment - water, intermittent releases		0
•	ompartment - sediment in freshwater	0.149 m	
•	ompartment - sediment in marine water	0.149 m	
•	compartment - soil	0.0233	
	eatment plant	100 mg/	
•	Il information: The lists valid during the r	Ŭ	
8.2 Expos Appropria Individua General p Keep awa Immediate	sure controls ate engineering controls No further data I protection measures, such as person protective and hygienic measures: y from foodstuffs, beverages and feed. by remove all soiled and contaminated clo	a; see see al prote	ction 7.
8.2 Expos Appropria Individua General p Keep awa Immediate Wash han Vacuum c Avoid cont Respirato Filter P3	sure controls ate engineering controls No further data I protection measures, such as person protective and hygienic measures: y from foodstuffs, beverages and feed. ely remove all soiled and contaminated clo dds before breaks and at the end of work. elean contaminated clothing. Do not blow of tact with the eyes and skin. ory protection: when dusts are generated.	a; see sea al prote othing	ction 7. ctive equipment
8.2 Expose Appropria Individua General p Keep awa Immediate Wash han Vacuum c Avoid cont Respirato Filter P3 Required v Hand pro	sure controls ate engineering controls No further data I protection measures, such as person protective and hygienic measures: y from foodstuffs, beverages and feed. ely remove all soiled and contaminated clo dds before breaks and at the end of work. elean contaminated clothing. Do not blow of tact with the eyes and skin. ory protection: when dusts are generated.	a; see sea al prote othing	ction 7. ctive equipment
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Value for the permeation: Level \geq 480 min • As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR Recommended thickness of the material: \geq 0.11 mm Value for the permeation: Level \geq 480 min • Eye/face protection



Gauze goggles

· Body protection: Use protective suit.

SECTION 9: Physical and chemical properties			
• 9.1 Information on basic physical and chemical properties			
· General Information			
· Physical state	Solid		
· Colour:	White		
· Odour:	Odourless		
· Odour threshold:	Not determined.		
 Melting point/freezing point: 	122 °C		
· Boiling point or initial boiling point and boiling			
range	250 °C		
· Flammability	Product is not flammable.		
· Lower and upper explosion limit			
· Lower:	Not determined.		
· Upper:	Not determined.		
Flash point:	121 °C		
Auto-ignition temperature:	570 °C		
Decomposition temperature:	Not determined.		
· pH	Not applicable.		
· Viscosity:			
Kinematic viscosity	Not applicable.		
Dynamic:	Not applicable.		
· Solubility			
· water at 20 °C:	2.9 g/l		
	Insoluble.		
 Partition coefficient n-octanol/water (log value) 	1.87		
· Vapour pressure at 96 °C:	1.3 hPa		
Density and/or relative density			
[·] Density at 20 °C:	1.266 g/cm ³		
· Relative density	Not determined.		
· Bulk density:	500 kg/m³		
· Vapour density	Not applicable.		
• 9.2 Other information			
· Appearance:			
· Form:	Solid		
Important information on protection of health			
and environment, and on safety.			
Ignition temperature:	Not determined.		
Explosive properties:	Product does not present an explosion hazard.		
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· Molecular weight	122.12 g/mol	
Change in condition	0	
· Evaporation rate	Not applicable.	
·Information with regard to physical ha	zard	
classes		
· Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
Flammable liquids	Void	
· Flammable solids	Void	
• Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flamn	nable	
gases in contact with water	Void	
· Oxidising liquids	Void	
Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid
- Heating

Moisture

- · 10.5 Incompatible materials:
- strong oxidants

reducing agents alkali compounds

- 10.6 Hazardous decomposition products: Benzene
- Phenol

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Quantitative data on the toxicological effect of this product are not available.

· Components		Туре	Value	Species	
Oral	LD50	2,565 mg/kg (rat)			
					(Contd. on page 7)

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			(Contd. of page 6)	
	Dermal	LD50	>2,000 mg/kg (rabbit)	
	Inhalative	LC50/4 h	12.2 mg/l (rat)	
_	Chin convector/invitation Courses alignigation			

• Skin corrosion/irritation Causes skin irritation.

• Serious eye damage/irritation Causes serious eye damage.

• After inhalation: Irritant to skin and mucous membranes.

· STOT-repeated exposure

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· 11.2 Information on other hazards

· Endocrine disrupting properties Substance is not listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

• Type of test Effective concentration Method Assessment

EC50/24 h 102 mg/l (daphnia magna)

LC50/96 h >100 mg/l (fish)

· 12.2 Persistence and degradability No further relevant information available.

- · 12.3 Bioaccumulative potential 1.87 log Pow
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Chemicals must be disposed of in compliance with the respective national regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport informat	tion	
 14.1 UN number or ID number ADR, ADN, IMDG, IATA 	Void	
 14.2 UN proper shipping name ADR, ADN, IMDG, IATA 	Void	
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· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
 14.6 Special precautions for user 	Not applicable.
· 14.7 Maritime transport in bulk according	a to IMO
instruments	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

- · Named dangerous substances ANNEX I Substance is not listed.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) PNEC: Predicted No-Effect Concentration (ÚK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1

** Data compared to the previous version altered.

Annex: Exposure scenario

· Short title of the exposure scenario Formulation and packing/repacking of substances and mixtures · Description of the activities / processes covered in the Exposure Scenario See section 1 of the annex to the Safety Data Sheet.

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GB

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Conditions of use	
• Duration and frequency 5 workdays/week.	
Physical parameters	
Physical state Solid	
Concentration of the substance in the mixture Raw material.	
Other operational conditions	
Other operational conditions affecting environmental exposure No special mea	isures required.
Other operational conditions affecting worker exposure Avoid contact with eyes.	
Avoid contact with the skin.	
Other operational conditions affecting consumer exposure No special measure	s required
Other operational conditions affecting consumer exposure during the use of the	
Not applicable.	
Risk management measures	
Worker protection	
Organisational protective measures No special measures required.	
Technical protective measures Ensure that suitable extractors are available on pro	ocessing machines
Personal protective measures	g
Do not inhale dust / smoke / mist.	
Avoid contact with the eyes.	
Tightly sealed goggles	
Avoid contact with the skin.	
Protective gloves	
The glove material has to be impermeable and resistant to the product/ the substand	
Selection of the glove material on consideration of the penetration times, rates	s of diffusion and the
degradation	
Measures for consumer protection Ensure adequate labelling.	
Environmental protection measures	
Water No special measures required.	
Disposal measures Disposal must be made according to official regulations.	
Ensure that waste is collected and contained.	
Disposal procedures	
Must not be disposed together with household garbage. Do not allow product to read	sh seware system
Waste type Partially emptied and uncleaned packaging	in comage cyclom.
Exposure estimation	
Consumer Not relevant for this Exposure Scenario.	
Guidance for downstream users No further relevant information available.	
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