Benzyl Benzoate USP, BP, Ph. Eur MSDS
# Safety Data Sheet

According to Regulation (EC) 1907/2006

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

### 1.1 Identification of the substance or preparation

**Name:**
Benzyl Benzoate

**Synonym:**
Benzoic Acid Benzyl Ester, Benzoic Acid Phenylmethyl ester, Benzyl benzenecarboxylate

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

### 1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

### 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)
Tel.: (+34) 937 489 499

## 2. Identification of dangers

Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Acute Tox. 4
Aquatic Chronic 2

**Hazard Pictograms**
Signal word
Warning

Hazard statements
H302 Harmful if swallowed.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P264 Wash...thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

Classification (67/548/CEE or 1999/45/CE).
N Dangerous for the environment R35/R36/R37/R62
Xn Harmful R22

For the full text of the R-phrases mentioned in this section, see section 16.

3. Component Composition/Information

Name: Benzyl Benzoate
Formula: \( \text{C}_{14}\text{H}_{12}\text{O}_2 \) M. = 212,26 CAS [120-51-4]
EC number (EINECS): 204-402-9
EC index number: 607-085-00-9

4. First aid

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, keeping eyelids open.

4.5 Swallowing:
Drink large amounts of water. Induce vomiting. Seek immediate medical assistance.

5. Fire-fighting means
5.1 Suitable fire-extinguishing means:
Water. Carbon dioxide (CO2). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:
No specific data.

5.3 Special risks:
Combustible. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air.

5.4 Protective equipment:
Suitable clothing and footwear.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:
Do not inhale the fumes.

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:
No special indications.

7.2 Storage:
Well sealed containers. Room temperature. Away from sources of ignition and heat.

8. Staff exposure/protection controls

8.1 Technical protective measures:
No special indications.

8.2 Exposure limit control:
Data not available.

8.3 Respiratory protection:
In the event of fumes forming/aerosols, use suitable respiratory protection.

8.4 Hand protection:
Use suitable gloves

8.5 Eye protection:
Use suitable goggles.

8.6 Individual hygiene measures:
Remove contaminated clothing. Wash hands before breaks and when the job
is done.

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

9. Physical and chemical properties

- Appearance: liquid
- Colour: Colourless
- Granulometry: N/A
- Odour: Characteristic.
- pH: N/A
- Melting point/freezing point: 21 °C
- Initial boiling point and boiling range: 324 °C
- Flash point: 148 °C
- Flammability (solid, gas): N/A
- Upper/lower flammability or explosive limits: N/A
- Vapour pressure: <0,1 hPa (20 °C)
- Vapour density: N/A
- Relative density: (20/4) 1,118
- Solubility: in Insoluble in water. Soluble in alcohol.
- Partition coefficient: n-octanol/water: N/A
- Auto-ignition temperature: 480 °C
- Decomposition temperature: N/A
- Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:
The product is chemically stable under standar ambient conditions (room temperature).

10.2 Matter which should be avoided:
Strong oxidant agents. Light metals Metals and metal alloys.

10.3 Hazardous decomposition products:
No specific data.

10.4 Complementary information:
No specific data.

11. Toxicological information

11.1 Acute toxicity:
LD50 oral rat : 1.900 mg/kg
LD50 skin rat : 4.000 mg/kg

11.2 Dangerous effects for health:
If dust inhaled: Absorption If swallowed: Absorption Systemic effects:
spasms anxiety ataxia (motor coordination disorders) cardiovascular
disorders Upon contact with the skin: irritations Through contact with the
eyes: irritations Other dangerous characteristics are not discarded. Take the
usual precautions for handling chemical products.
12. Environmental information

12.1 Toxicity:
12.1.1 - EC50 test (mg/l):
Risk for the water environment
Risk for the land environment
12.1.3. - Observations:
Ecotoxic data not available.

12.2 Persistence and Degradability:
12.2.1 - Test:
12.2.2. - Biotic degradation classification:
BOD5/COD
Biodegradability
12.2.3. - Abiotic degradation depending on pH:
12.2.4. - Observations:

12.3 Bioaccumulative potential:
12.3.1. - Test:
Risk
12.3.3. - Observations:

12.4 Mobility in soil:
Data not available.

12.5 Assessment PBT and MPMB:
Data not available.

12.6 Other possible effects on the environment:
Do not allow it to enter soils or water channels.

13. Considerations regarding elimination

13.1 Substance or preparation:
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.


13.2 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.


14. Information concerning transport

Not classified as dangerous in the meaning of transport regulations.
15. Regulatory information

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

16. Other information

Other precautionary statements
P391 Collect spillage.

Labelling (65/548/CEE or 1999/45/CE)

<table>
<thead>
<tr>
<th>R-phrase(s):</th>
<th>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</th>
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<tbody>
<tr>
<td></td>
<td>R22 Harmful if swallowed.</td>
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<tr>
<td>S-phrase(s):</td>
<td>S61 Avoid release to the environment. Refer to special instructions/safety data sheets.</td>
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<td></td>
<td>S46 If swallowed, seek medical advice immediately and show this container or label.</td>
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<td></td>
<td>S25 Avoid contact with eyes.</td>
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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.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

Date published: 3.11.10
Review number and date: 3 3.11.10

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