

# Material Safety Data Sheet



**BENZYL BENZOATE**  
(Confirming to BP)

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 12753

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

### **1.1. Product identifier**

Trade name : BENZYL BENZOATE

Product code : 12753

Identification of the product : Benzyl Benzoate

CAS No : 120-51-4

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

Use : Industrial. For professional use only.

### **1.3. Details of the supplier of the safety data sheet**

Company identification : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## **2. Hazards identification**

### **2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Chronic aquatic toxicity (Category 2), H411

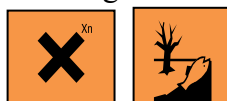
For the full text of the H-Statements mentioned in this Section, see Section 16.

### **2.2 Label elements**

Labelling according Regulation (EC) No 1272/2008

Symbol(s) : Xn: Harmful

N : Dangerous for the environment



R Phrase(s) : R22: Harmful if swallowed.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S2: Keep out of reach of children.

S25 : Avoid contact with eyes.

S46: If swallowed seek medical advice immediately and show this container or label.

S61: avoid release to the environment . refer to special instruction/safety data sheets.

Labelling according Regulation (EC) No 1272/2008

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## Hazard pictograms



Signal word : Warning

### Hazard statement(s)

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

P273 Avoid release to the environment.

Supplemental Hazard Statements None

### 2.3 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.

## 3. Composition/information on ingredients

### 3.1 Substances: Benzyl Benzoate

CAS-No. : 120-51-4

Substance name	Contents	CAS No
Benzyl benzoate	<= 100 %	120-51-4

Substance.

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

## 4. First aid measures

### 4.1 Description of first aid measures

#### • General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### • If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

#### • In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### • In case of eye contact

Flush eyes with water as a precaution.

#### • If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

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## **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

## **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

## **5. Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 Further information**

No data available

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Combustible liquids

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## 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### •Appropriate engineering controls

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

#### •Personal protective equipment

##### •Eye/face protection

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

##### •Skin protection

Handle with gloves. Gloves must be inspected prior to use. 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.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industria situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

##### • Body 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.

##### • Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### • Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Odour Threshold:** No data available

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**pH:** No data available

**Melting point/freezing point**

**Melting point/range:** 17 - 20 °C - lit.

**Initial boiling point and boiling range:** 323 - 324 °C - lit.

**Flash point** 158 °C - closed cup

**Evaporation rate:** No data available

**Flammability (solid, gas):** No data available

**Upper/lower flammability or explosive limits :** No data available

**Vapour pressure 1 mmHg at 125 °C**

**Vapour density :** No data available

**Relative density :** 1.118 g/cm<sup>3</sup> at 20 °C

**Water solubility** No data available

**Partition coefficient: noctanol/ Water :**log Pow: 4

**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

## **9.2 Other safety information**

No data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

Stable under recommended storage conditions.

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

No data available

### **10.5 Incompatible materials**

Strong oxidizing agents

### **10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

## **11. Toxicological information**

### **11.1 Information on toxicological effects**

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## Acute toxicity

LD50 Oral - Rabbit - 1,680 mg/kg(Benzyl benzoate)

LD50 Dermal - Rabbit - 4,000 mg/kg(Benzyl benzoate)

### •Skin corrosion/irritation

No data available(Benzyl benzoate)

### •Serious eye damage/eye irritation

No data available(Benzyl benzoate)

### •Respiratory or skin sensitisation

No data available(Benzyl benzoate)

### • Germ cell mutagenicity

No data available(Benzyl benzoate)

### • Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### • Reproductive toxicity

No data available(Benzyl benzoate)

### • Specific target organ toxicity - single exposure

No data available(Benzyl benzoate)

### • Specific target organ toxicity - repeated exposure

No data available

### • Aspiration hazard

No data available(Benzyl benzoate)

### • Additional Information

RTECS: DG4200000

Cardiovascular effects., Muscle cramps/spasms., Ataxia.(Benzyl benzoate)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Benzyl benzoate)

## 12. Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available(Benzyl benzoate)

### 12.5 Results of PBT and vPvB assessment

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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.

## **12.6 Other adverse effects**

Toxic to aquatic life with long lasting effects.

## **13. Disposal considerations**

### **13.1 Waste treatment methods**

#### **•Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **•Contaminated packaging**

Dispose of as unused product.

## **14. Transport information**

### **14.1 UN number**

ADR/RID: 3082 IMDG: 3082 IATA: 3082

### **14.2 UN proper shipping name**

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Benzyl benzoate)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Benzyl benzoate)

IATA: Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)

### **14.3 Transport hazard class(es)**

ADR/RID: 9 IMDG: 9 IATA: 9

### **14.4 Packaging group**

ADR/RID: III IMDG: III IATA: III

### **14.5 Environmental hazards**

ADR/RID: yes IMDG Marine pollutant: no IATA: yes

### **14.6 Special precautions for user**

#### **Further information**

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

## **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**

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For this product a chemical safety assessment was not carried out

## **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

**Further information** : None.

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## **End of document**

**Prepared by: MOLYCHEM (INDIA)**

**For questions contact: MOLYCHEM**

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