

**Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** Benzyl Propionate  
**CAS:** 122-63-4  
**FEMA:** 2150  
**EINECS No.:** 204-559-3  
**Molecular Formula:** C<sub>10</sub>H<sub>12</sub>O<sub>2</sub>  
**Molecular Weight:** 164.2

**Recommended Use:** This product is only intended for using as an ingredient in the manufacturing of mixtures.

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**Section 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2 Label Elements**

Not a hazardous substance or mixture

**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.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**

COMPONENTS	CAS NUMBER	PROPORTION	CLASSIFICATION
Benzyl Propionate	122-63-4	100%	-

**Section 4: FIRST AID MEASURES**

#### **4.1 Description of first aid measures**

##### **General information**

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

##### **Inhalation**

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

##### **Skin Contact**

Remove contaminated clothing and wash skin and hair with soap and water. If irritation occurs seek medical advice.

##### **Eye Contact**

Wash out immediately with water (remove contact lenses if easily possible). In all cases of eye contamination, it is a sensible precaution to seek medical advice.

##### **Ingestion**

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit does not enter the lungs.

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

Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

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

Not available.

### **Section 5: FIRE FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Water spray, fog, CO <sub>2</sub> , dry chemical, or alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Carbon oxides
<b>Advice for firefighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Specific methods</b>	Use water spray to cool unopened containers.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

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

Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

### **6.2 Environmental precautions**

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## **Section 7: HANDLING AND STORAGE**

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

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

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

For precautions see section 2.2.

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

Keep container closed and upright to prevent leakage. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

## **Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Appropriate engineering controls</b>	Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles). Wash contaminated goggles before reuse
<b>Skin protection</b>	Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
<b>Respiratory protection</b>	Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Control of environmental exposure</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

a) Appearance	Form	Liquid
	Color	Colorless
b) Odor		With sweet, fruity, floral aroma
c) Odor Threshold		No data available
d) PH		4,46 at 25 °C
e) Melting Point/Freezing Point		No data available
f) Initial Boiling Point and Boiling Range		222 °C at 1.013 hPa
g) Flash Point		96°C - closed cup
h) Evaporation Rate		No data available
i) Flammability (solid, gas)		No data available
j) Upper/lower Flammability or Explosive limits		
	Flammability limit – lower (%)	No data available
	Flammability limit – upper (%)	No data available
	Explosive limit - lower (%)	No data available
	Explosive limit - upper (%)	No data available
k) Vapor Pressure		No data available
l) Vapor Density		No data available
m) Specific Gravity (25/25°C)		1.0280 ~ 1.0330
n) Water Solubility (Water)		10 g/l at 26 °C - soluble
o) Partition Coefficient (n-octanol/water)		log Pow: -0,301 at 26 °C
p) Auto-ignition Temperature		No data available
q) Decomposition Temperature		No data available
r) Viscosity		Viscosity, kinematic: No data available Viscosity, dynamic: 19,6 mPa.s at 26 °C
s) Explosive properties		No data available
t) Oxidizing properties		No data available

**Section 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
<b>Chemical stability</b>	The product is chemically stable under standard ambient conditions (room temperature) .
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	Strong heating
<b>Incompatible materials</b>	Strong oxidizing agents

**Hazardous decomposition products** In the event of fire: see section 5

## **Section 11: TOXICOLOGICAL INFORMATION**

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

#### **Acute toxicity**

LD50 Oral - Rat - female - 5.000 mg/kg

(OECD Test Guideline 423)

Inhalation: No data available

LD50 Dermal - Rat - male and female - > 2.000 mg/kg

(OECD Test Guideline 402)

#### **Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

#### **Serious eye damage/eye irritation**

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

#### **Respiratory or skin sensitisation**

No data available

#### **Germ cell mutagenicity**

No data available

Test Type: Mouse

Test system: Embryo

Result: negative

#### **Carcinogenicity**

No data available

#### **Reproductive toxicity**

No data available

#### **Specific target organ toxicity - single exposure**

No data available

#### **Specific target organ toxicity - repeated exposure**

No data available

#### **Aspiration hazard**

No data available

Revision Date: 25-03-2024

## **Section 12: ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

Biodegradability

aerobic - Exposure time 29 d

Result: 88 % - Readily biodegradable.  
(OECD Test Guideline 301F)

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 Results of PBT and vPvB assessment**

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 Endocrine disrupting properties**

No data available

### **12.7 Other adverse effects**

No data available

## **Section 13: DISPOSAL CONSIDERATIONS**

### **Disposal instructions**

Do not discharge into drains, water courses or onto the ground.  
Do not allow this material to drain into sewers/water supplies.  
Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### **Local disposal regulations**

Dispose in accordance with all applicable regulations.

### **Waste from residues/unused products**

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### **Contaminated packaging**

Since emptied containers may retain product residue, follow

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label warnings even after container is emptied.

## **Section 14: TRANSPORT INFORMATION**

### **ADR/RID**

Not regulated as dangerous goods

### **IMDG**

Not regulated as dangerous goods

### **IATA**

Not regulated as dangerous goods

## **Section 15: REGULATORY INFORMATION**

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

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

### **15.2 Chemical safety assessment**

No data available.

## **Section 16: OTHER INFORMATION**

### **Disclaimer**

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