



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1 – IDENTIFICATION

Product Name: Benzyl Benzoate Natural

Alternative Names: Natural Benzyl Benzoate, Benzyl Benzoate (Natural Origin)

Chemical Name: Benzyl Benzoate

INCI Name: Benzyl Benzoate

CAS Number: 120-51-4

EC Number: 204-402-9

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.24 g/mol

Product Type: Natural Aroma Isolate

Origin: Natural (Derived from Essential Oils such as Ylang Ylang, Tolu Balsam or Peru Balsam)

Purity: ≥98%

Recommended Use: Professional Perfumery Raw Material

Supplier

Aromology Trading LLC

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Dubai, United Arab Emirates

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SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Acute Toxicity (Oral) – Category 4
- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Hazardous to the Aquatic Environment (Chronic) – Category 3

Signal Word



Warning

Hazard Statements

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+P312 IF SWALLOWED: Call a POISON CENTRE if you feel unwell.
- P330 Rinse mouth.
- P302+P352 IF ON SKIN: Wash thoroughly with soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P501 Dispose of contents/container according to local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Benzyl Benzoate Natural
Chemical Name	Benzyl Benzoate
INCI Name	Benzyl Benzoate
CAS Number	120-51-4
EC Number	204-402-9
Purity	≥98% Natural Origin

SECTION 4 – FIRST AID MEASURES

Inhalation: Move exposed person to fresh air. Obtain medical advice if symptoms persist.

Skin Contact: Remove contaminated clothing and wash thoroughly with soap and water.

Eye Contact: Flush cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.



Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical advice immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water mist

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable personal protective equipment.

Prevent entry into drains and waterways.

Absorb with inert absorbent material.

Collect in suitable waste containers.

Wash contaminated area with detergent.

SECTION 7 – HANDLING AND STORAGE

Use in a well-ventilated area.

Avoid prolonged skin and eye contact.

Keep container tightly closed.

Store away from direct sunlight, excessive heat and oxidising agents.

Recommended Storage Temperature: 15–25 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Safety goggles
 - Nitrile gloves
 - Protective laboratory clothing
 - Local exhaust ventilation where necessary
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear oily liquid
Colour	Colourless to Pale Yellow
Odour	Very faint, sweet, balsamic
Relative Density (20 °C)	1.115–1.125
Refractive Index (20 °C)	1.566–1.570
Melting Point	18–21 °C
Boiling Point	Approximately 323 °C
Flash Point	Approximately 148 °C
Solubility	Insoluble in water
Solubility	Soluble in ethanol, DPG, TEC, benzyl alcohol and perfumery solvents

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents
- Strong acids
- Strong alkalis
- Excessive heat

Hazardous decomposition products include carbon monoxide and carbon dioxide.



SECTION 11 – TOXICOLOGICAL INFORMATION

May be harmful if swallowed.

May cause skin and eye irritation.

No evidence of carcinogenicity or mutagenicity under normal industrial use.

SECTION 12 – ECOLOGICAL INFORMATION

Harmful to aquatic organisms with long-lasting effects.

Prevent release into the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose through an authorised waste contractor in accordance with local regulations.

Do not discharge into drains or waterways.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	Not Regulated
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- GHS Revision 9
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EU) 2020/878



SECTION 16 – OTHER INFORMATION

Natural Benzyl Benzoate is a naturally derived aromatic ester obtained from essential oils or balsamic resins. It possesses a mild, sweet, balsamic aroma and is widely used in fine perfumery as a solvent, fixative and odour modifier. It contributes substantivity and longevity to floral, oriental, amber, woody and balsamic fragrance compositions while maintaining a natural origin profile.

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