

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Chemical name	Benzyl Benzoate
Cat No.	027240
CAS-No.	120-51-4
M.W.	212.25
EC-No.	202-854-1
Company	High Purity Laboratory Chemicals Pvt. Ltd.
Address	Plot No. 1902, Fansa Road, G.I.D.C., Sarigam – 396 155, DIST. Valsad, Gujarat (INDIA)
Email	customercare@hplcindia.com

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	-
CAS No.	120-51-4
Percent	98.0%
Substance/Mixture	Substance
Synonym	Benzoic acid benzyl ester
Chemical Formula	C ₁₄ H ₁₂ O ₂

SECTION 3: HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Acute toxicity, oral	(Category 4)
Acute aquatic toxicity	(Category 1)
Chronic aquatic toxicity	(Category 2)

GHS LABEL ELEMENTS

Pictograms or Hazard Symbols



Signal word

Warning

Hazard statement(s)

H302	Harmful if swallowed.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.

SECTION 4: FIRST AID MEASURES

Inhalation	If breathed in, move victim into fresh air. Keep at comfortable position for breathing. Get medical advice.
Skin contact	Remove contaminated clothes immediately and wash gently with plenty of soap and water. Get medical advice.
Eye contact	Remove contact lenses, if present. Rinse thoroughly with plenty of water for several minutes. Get medical advice.
Ingestion	Do NOT induce vomiting. Rinse mouth with water. Get medical advice.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards	Carbon oxides
Advice for firefighters	Wear personal protective equipment for fire fighting if necessary.
Further information	No data available



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment (self-contained breathing apparatus). Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition.
Environmental precautions	Prevent further leakage/spillage. Do not let product enter drains/rivers. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep insuitable closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Storage condition	Store in a cool, dry and well-ventilated place. Keep container tightly closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Ensure adequate ventilation. Install safety shower and eye bath. Good industrial hygiene and safety practice should be followed. Wash hands after handling the product.
Eye/face protection	Face shield and safety glasses, if required.
Hand protection	Handle with gloves. Dispose of contaminated gloves after use. Wash and dry hands.
Skin and Body Protection	Impervious protective clothing and boots, if required.
Respiratory protection	Use half or full-face respirator with multi-purpose combination. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A clear almost colourless liquid.
Odour	Weakly aromatic
Odour Threshold	no data available
pH	no data available
Melting/freezing point	Not below 17° C
Boiling point/range	323 - 324 °C
Flash point	148 °C - closed cup
Evaporation rate	no data available
Vapour pressure	1.33 hPa at 125 °C
Vapour density	no data available
Relative density	1.118-1.122 g
Water solubility	Insoluble
Log Pow	3.97 at 25 °C
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

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
Stability	The product is chemically stable under standard ambient conditions (room temperature).
Incompatibilities	various plastics, Light metals, metal alloys
Hazardous decomposition products	Carbon oxides
Conditions to avoid	Strong heating.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 Oral - Rabbit - 1.680 mg/kg Acute toxicity estimates Oral - 1.680 mg/kg LD50 Dermal - Rabbit - 4.000 mg/kg
Skin corrosion/irritation	No skin irritation
Serious eye damage/irritation	No Eye irritation
Respiratory/skin sensitization	Patch test: human Result: negative



Germ cell mutagenicity
Carcinogenicity

Reproductive toxicity
Specific target organ toxicity
Specific target organ toxicity
Aspiration hazard
RTECS

Sensitisation test: Guinea pig Result: negative
 Sensitisation test: Mouse Result: negative
 Genotoxicity in vitro: Ames test Result: negative
 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.
 no data available
 Single exposure: no data available
 Repeated exposure: no data available
 no data available
 DG4200000

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish LC50 (Danio rerio (zebra fish)): 2,32 mg/l - 96 h
 Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 3,09 mg/l - 48 h
 Toxicity to algae ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,475 mg/l - 72 h
 Toxicity to bacteria EC50 - activated sludge - > 10.000 mg/l - 3 h
Persistence/degradation Biodegradability aerobic - Exposure time 28 d
 Result: 94 % - Readily biodegradable.

Environmental

Discharge into the environment must be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contaminated packaging or unused product as per local law and regulations.
 There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

SECTION 14: TRANSPORT INFORMATION

UN number 3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class 9
Packaging group III
Marine pollutant Yes

SECTION 15: REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance/mixture: no data available

SECTION 16: OTHER INFORMATION

Product Use: Laboratory Reagent.

Please read all labels carefully before using product.

The above information contained herewith is believed to be accurate. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. This document does not represent any guarantee of the properties of the product. HPLC shall not be held liable for any claims, losses, or damages resulting from handling or from contact with the above product.