

Safety Data Sheet

Benzyl Benzoate, Technical Grade

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Substance
Trade name : Benzyl Benzoate, Technical Grade
CAS-No. : 120-51-4
UN-No. (ADR) : 3082
Formula : C₁₄H₁₂O₂

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended uses and restrictions : No information available

1.4. Distributor details

Distributor

Silver Fern Chemical, Inc.	<u>Customer Service</u>
2226 Queen Anne Avenue North	Phone: 1-866-282-3384
Seattle WA 98109, USA	Email: Info@silverfernchemical.com

1.5. Emergency phone number

Emergency number **24 Hour Emergency Contact**
Infotrac 1-800-535-5053 (USA & Canada)
Outside USA & Canada 1-352-323-3500

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Acute toxicity (oral), Category 4 H302
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : Harmful if swallowed, Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :



GHS07

GHS09

Signal word (GHS UN) : Warning
Hazard statements (GHS UN) : H302 - Harmful if swallowed
H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (GHS UN) : P264 - Wash hands, forearms and face 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.
P330 - Rinse mouth.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No information available, No information available

Benzyl Benzoate

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance identification codes: See section 1.1

Name	Product identifier	%
Benzyl benzoate	(CAS-No.) 120-51-4	≥ 99.6
9H-Fluoren-9-one	(CAS-No.) 486-25-9	≤ 0.3
Benzoic acid	(CAS-No.) 65-85-0	≤ 0.1

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Wash contaminated clothing before reuse. Get medical advice if necessary.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

No additional information available

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: No information available.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Thermal decomposition can lead to the release of irritating gases and vapours.

5.3. Special protective actions for fire-fighters

Precautionary measures fire	: Eliminate all ignition sources if safe to do so. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions, Protective Equipment and Emergency Procedures : Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to a safe area.

6.1.1. For non-emergency personnel

Protective equipment	: Wear proper protective equipment.
Emergency procedures	: Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Stop leak if safe to do so. Evacuate personnel to a safe area.

6.2. Environmental precautions

Avoid release to the environment. Do not allow into drains or water courses.

6.3. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

Benzyl Benzoate

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from food and drink. Keep away from heat and flame. Keep locked up and out of reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

- Physical state : Pure product is white crystal or liquid at room temperature, ordinary product is light yellow viscous liquid
- Appearance : Pure product is white crystal or liquid at room temperature, ordinary product is light yellow viscous liquid
- Colour : Pure product is white , ordinary product is light yellow
- Odour : very weak floral fragrance
- Odour threshold : Not available
- Melting point : Not available
- Freezing point : Not available
- Boiling point : 323-324 °C
- Flammability (solid, gas) : Not applicable
- Explosive limits : Not available
- Lower explosive limit (LEL) : Not available
- Upper explosive limit (UEL) : Not available
- Flash point : Not available
- Auto-ignition temperature : Not available
- Decomposition temperature : Not available
- pH : Not available
- pH solution : Not available
- Viscosity, kinematic (calculated value) (40 °C) : Not available
- Partition coefficient n-octanol/water (Log Pow) : Not available
- Partition coefficient n-octanol/water (Log Kow) : Not available
- Vapour pressure : Not available
- Vapour pressure at 50 °C : Not available
- Density : 1.118g/cm³
- Relative density : Not available
- Relative vapour density at 20 °C : Not available
- Solubility : Not available

Benzyl Benzoate

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. flames. sparks. Incompatible materials:

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Benzyl benzoate (120-51-4)

LD50 oral rat	500 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Benzyl Benzoate (120-51-4)

Persistence and degradability	No additional information available
-------------------------------	-------------------------------------

Benzyl Benzoate

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

12.3. Bioaccumulative potential

Benzyl Benzoate (120-51-4)

Bioaccumulative potential	No additional information available
---------------------------	-------------------------------------

12.4. Mobility in soil

Benzyl Benzoate (120-51-4)

Mobility in soil	No additional information available
------------------	-------------------------------------

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available




SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

US DOT: NOT DOT REGULATED

UN RTDG	IMDG	IATA
14.1. UN number		
3082	3082	3082
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes

14.6. Special precautions for user

- UN RTDG

Special provisions (UN RTDG) : 274, 331, 335, 375
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Special packing provisions (UN RTDG) : PP1
Portable tank and bulk container special instructions (UN RTDG) : T4

Benzyl Benzoate

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Portable tank and bulk container special provisions (UN RTDG)	: TP1, TP29
- IMDG	
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A
- IATA	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Regulatory reference	: Listed on the AICS (Australian Inventory of Chemical Substances). Listed on the Canadian DSL (Domestic Substances List). Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on the Japanese ISHL (Industrial Safety and Health Law). Listed on KECL/KECI (Korean Existing Chemicals Inventory). Listed on NZIoC (New Zealand Inventory of Chemicals). Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on the United States TSCA (Toxic Substances Control Act) inventory. Listed on INSQ (Mexican National Inventory of Chemical Substances). Listed on the TCSI (Taiwan Chemical Substance Inventory).
State or local regulations	: U.S. - Texas - Effects Screening Levels - Long Term. U.S. - Texas - Effects Screening Levels - Short Term.

SECTION 16: Other information

Issue date	: 24/08/2022
Revision date	: 24/08/2022

Full text of H-statements:	
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.