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MSDS : BENZYL BENZOATE

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Benzyl Benzoate
CAS#: 120-51-4
Chemical Name: Benzyl Benzoate
Chemical Family: Ester
Molecular Weight: 212.26
Molecular Formula: $C_{14}H_{12}O_2$
EMERGENCY NUMBER: 1-800-535-5053

COMPOSITION/ INFORMATION ON INGREDIENTS:

Components: Benzyl Benzoate
CAS#: 120-51-4
% by wt.: 100
Exposure Limits: None

HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW An oily liquid. This product does not present an immediate concern for emergency personnel.

POTENTIAL HEALTH EFFECTS:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: Moderately toxic and may be harmful if swallowed.

Inhalation: High gas, vapor, or mist concentrations may be harmful if inhaled.

Chronic (Carcinogen): None of the components in this chemical are listed by IARC, NTP, or OSHA as a carcinogen.

Teratogenicity: Not listed.

Mutagenicity: Not listed.

FIRST AID MEASURES:

Eyes: Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician.

Skin: Wash thoroughly with soap and water after skin contact.

Ingestion: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

Inhalation: Remove from exposure. If not breathing, give artificial respiration and call a physician.

FIREFIGHTING MEASURES:**Flammable properties**

Flashpoint: 295° F (146° C)

Method: C.O.C.

Flammable Limits

LEL: Not established

UEL: Not established

Autoignition: 436° C

Combustion Products: As with other organic materials, combustion will produce carbon dioxide and carbon monoxide.

Extinguishing Media: Foam, dry chemical, water spray, CO₂

Firefighting Instructions: Wear self-contained breathing apparatus and protective clothing.

ACCIDENTAL RELEASE MEASURES:

Contain spilled liquid with sand or vermiculite and place in a chemical waste container. Prevent run off from entering drains, sewers, and streams.

HANDLING AND STORAGE:

Handling: Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Storage: This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container tightly closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION:

Engineering Controls: Use with adequate ventilation. Whenever this product is used in a confined space or heated above ambient temperature, the use of local mechanical ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eyes/Face: Goggles or glasses with side shields.

Skin: Impermeable gloves and sufficient clothing to minimize physical contact.

Respiratory: Use of an approved mist-type respirator is recommended if this product is used in a confined space or heated above ambient temperature.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear, oily liquid
Odor: Characteristic odor
pH: N/A
Physical State: Liquid
Vapor Pressure: 4.5 mm Hg@ 156°C
Vapor Density: 7.3
Boiling Point: 324°C (615°F)
Freezing/Melting Point: 20°C (68°F)
Solubility in water: Insoluble
Specific Gravity: 1.120 @ 25/25°C
Evaporation Rate: < 1 (Butyl Acetate = 1)

STABILITY AND REACTIVITY:

Stability: Stable
Incompatibility: Incompatible with oxidizing materials.
Decomposition Products: As with other organic materials, combustion will produce carbon dioxide and carbon monoxide.
Polymerization: Will not occur.

TOXICOLOGICAL INFORMATION:

oral - rat	LD50: 1700 mg/kg
skin - rat	LD50: 4000 mg/kg
oral - mouse	LD50: 1400 mg/kg
oral - cat	LD50: 2240 mg/kg
oral - rabbit	LD50: 1680 mg/kg
skin - rabbit	LD50: 4000 mg/kg
oral - guinea pig	LD50: 1000 mg/kg
intraperitoneal-mouse	LD50: >500 mg/kg
oral - dog	LD50: >2240 mg/kg

DISPOSAL CONSIDERATIONS:

Disposal must be in accordance with Federal, State, and Local regulations.

TRANSPORT INFORMATION:

D.O.T Shipping Classification: Chemicals N.O.I.
D. O. T. Hazard Class: Non-hazardous
U.N. Number: N/A
D.O.T. Hazard Label: N/A
I.M.O.: Not listed

REGULATORY INFORMATION:

OSHA Status: None
SARA Title III: N/A
CERCLA: N/A
INVENTORIES
TSCA: listed
CANADA: listed
EINECS: listed
JAPAN: listed
AUSTRALIA: listed

OTHER INFORMATION:

	HMIS RATING	NFPA RATING
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
PERSONAL PROTECTION	B	

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This material is supplied for use in laboratories with proper ventilation by skilled people only.