



# Materials Safety Data Sheet

## BENZYL ACETATE

### Section 1 - Chemical Product and Company Identification

MSDS Name: BENZYL ACETATE

CAS No.: 140-11-4

Details of the supplier:

Manufacturer/Supplier: Wuhan Biet Co., Ltd  
Room 1004, Block V, Wuhan Furniture Plaza, Qiaokou District,  
Wuhan, Hubei, China 430000

For information, call: +86 27 8369 8488

For technical support, call: +86 27 8369 8488

For emergencies in China, call: 112

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
140-11-4	BENZYL ACETATE	99.0% min

**Emergency Overview:** Irritating to eyes, respiratory system and skin.

Potential Health Effects

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Causes eye irritation; inhalation of dust may irritate the nose and throat; may cause skin irritation; concentrated dust may be an explosion hazard; may be harmful if swallowed. White to light tan chips, granules or powder.

#### Potential Health Effects:

**EYES:** Irritation.

**SKIN:** irritation.

**Inhalation:** May cause effects similar to those described for ingestion.

**INGESTION:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated. May cause central nervous system effects and/or neurological effects.



**Chronic:** May cause cancer according to animal studies.

## Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

## Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls, Personal Protection

**ENGINEERING CONTROLS:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local



exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits CAS# 140-11-4: Belgium - TWA: 10 ppm VLE; 62 mg/m<sup>3</sup> VLE Malaysia: 10 ppm TWA; 61 mg/m<sup>3</sup> TWA Russia: 5 mg/m<sup>3</sup> TWA Spain: 10 ppm VLA-ED; 62 mg/m<sup>3</sup> VLA-ED  
Personal Protective Equipment Eyes: Wear chemical splash goggles.

**RESPIRATORY PROTECTION:** Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**SKIN AND HAND PROTECTION:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

## Section 9 - Physical and Chemical Properties

<b>Physical State/Appearance:</b>	Liquid
<b>Color:</b>	clear, colorless
<b>Vapor Pressure:</b>	0.15 mbar @ 25
<b>Viscosity:</b>	Not available.
<b>Boiling Point:</b>	214 deg C @ 760 mm Hg
<b>Freezing/Melting Point</b>	-51 deg C
<b>Autoignition Temperature:</b>	460 deg C ( 860.00 deg F)
<b>Flash Point:</b>	102 deg C ( 215.60 deg F)
<b>Explosion Limits, lower:</b>	90 vol %
<b>Explosion Limits, upper:</b>	8.40 vol %
<b>Solubility in water:</b>	practically insoluble in water
<b>Specific Gravity/Density:</b>	1.055
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	150.18

## Section 10 - Stability and Reactivity

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Excess heat.

### Incompatibilities with Other Materials:

Strong oxidizing agents.

### Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.



## Section 11 - Toxicological Information

RTECS#:

CAS# 140-11-4: AF5075000 LD50/LC50:

CAS# 140-11-4: Draize test, rabbit, skin: 100 mg/24H Moderate; Oral, mouse: LD50 = 830 mg/kg; Oral, rabbit: LD50 = 2200 mg/kg; Oral, rat: LD50 = 2490 mg/kg; Skin, rabbit: LD50 = >5 gm/kg.

TDLo(Oral,rat) = 355 gm/kg/13W-C; Brain and Coverings - other degenerative changes, Kidney, Ureter, Bladder - changes in tubules (including acute renal failure, acute tubular necrosis).

Carcinogenicity:

Benzyl acetate - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

## Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Bacteria: Phytobacterium phosphoreum:EC50 = 3.29-4.54 mg/L;5,15,30 minutes;15 degrees C

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

## Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face



protection.

WGK (Water Danger/Protection)

CAS# 140-11-4: No information available.

Canada

CAS# 140-11-4 is listed on Canada's DSL List.

CAS# 140-11-4 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 140-11-4 is listed on the TSCA inventory.