



Materials Safety Data Sheet

BENZYL ALCOHOL

Effective date: 01/01/2017

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzyl alcohol

CAS No.: 100-51-6

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	EINECS/ELINCS
100-51-6	Benzyl alcohol	>99.5%	202-859-9

Hazard Symbols: XN**Risk Phrases:** 20/22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless to pale yellow clear liquid. Flash Point: 93 deg C. Hygroscopic (absorbs moisture from the air). Air sensitive.

Target Organs: Central nervous system, eyes, skin.**Potential Health Effects****Eye:** May cause moderate eye irritation. Causes redness and pain.**Skin:** Causes moderate skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. Causes redness and pain. May be harmful if



absorbed through the skin.

Ingestion: Harmful if swallowed. May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns.

Inhalation: Harmful if inhaled. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause respiratory tract irritation.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

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.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

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

Notes to Physician: Blood benzyl alcohol and benzoic acid, and urine hippuric acid may be helpful in diagnosis. Monitor for metabolic acidosis, central nervous system depression, and hypotension.

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. Will burn if involved in a fire.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: 93 deg C (199.40 deg F)

Autoignition Temperature: 435 deg C (815.00 deg F)

Explosion Limits, Lower: 1.3 Vol %

Upper: 13 Vol %

NFPA Rating: (estimated) Health: 2; Flammability: 1; Instability: 0

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.



Section 7 - Handling and Storage

Handling: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzyl alcohol	none listed	none listed	none listed

OSHA Vacated PELs: Benzyl alcohol: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Not available.

Skin: Wear appropriate gloves to prevent skin exposure.

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

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Appearance: colorless to pale yellow

Odor: aromatic odor - faint odor

PH: Not available.

Vapor Pressure: 0.13 mbar @ 20 deg C



Vapor Density: 3.72
Evaporation Rate: Not available.
Viscosity: 6.6 mPa.s @ 20 deg C
Boiling Point: 205 deg C
Freezing/Melting Point: -15 deg C
Decomposition Temperature: Not available.
Solubility: 40 g/l (20°C)
Specific Gravity/Density: 1.044
Molecular Formula: C₇H₈O
Molecular Weight: 108.14

Section 10 - Stability and Reactivity

Chemical Stability: Slowly oxidized by atmospheric oxygen.
Conditions to Avoid: Incompatible materials, light, exposure to air, exposure to moist air or water, heat.
Incompatibilities with Other Materials: Strong oxidizing agents, acids, aluminum, coatings, iron, plastics, sulfuric acid, nonmetal halides (e.g. diselenium dichloride, disulfur dichloride, phosphorus trichloride).
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: May occur.

Section 11 - Toxicological Information

RTECS#:
CAS# 100-51-6: DN3150000
LD50/LC50:
CAS# 100-51-6:
Draize test, rabbit, skin: 100 mg/24H Moderate;
Inhalation, mouse: LC50 = >500 mg/m³;
Inhalation, rat: LC50 = >500 mg/m³;

Section 12 - Ecological Information

Ecotoxicity: LC50 *Gambusia affinis* 180mg/l/96H.
Bioaccumulation: Bioaccumulation is observed to be high in invertebrates and low in vertebrates. BCF *Daphnia* 1800. BCF *Leuciscus idus* <1 0.
Biodegradation: Completely biodegraded within 24 hours by adapted activated sludge. Vapors are photodegradable in the atmosphere, half-life(estimated) 2 days.
Environmental: No information available.

Oral, mouse: LD50 = 1360 mg/kg;
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Oral, rabbit: LD50 = 1040 mg/kg;



Oral, rabbit: LD50 = 1040 mg/kg;
Oral, rat: LD50 = 1230 mg/kg;
Oral, rat: LD50 = 1660 mg/kg;
Skin, rabbit: LD50 = 2000 mg/kg;
Skin, rat: LD50 = 100 pph/90M;<BR.

Carcinogenicity:

CAS# 100-51-6: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: See actual entry in RTECS for complete information.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

Not regulated as a hazardous material, this substance is not subject to IMO IMDG code.

Section 15 - Regulatory Information

US FEDERAL**TSCA**

CAS# 100-51-6 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

**SARA****CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 100-51-6: acute, flammable.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 100-51-6 can be found on the following state right to know lists: Pennsylvania, Minnesota, Massachusetts.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations**European Labeling in Accordance with EC Directives****Hazard Symbols:**

XN

Risk Phrases:

R 20/22 Harmful by inhalation and if swallowed.

Safety Phrases:

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

WGK (Water Danger/Protection)

CAS# 100-51-6: 1

Canada - DSL/NDSL

CAS# 100-51-6 is listed on Canada's DSL List.

Canada - WHMIS

This product does not have a WHMIS classification.

Canadian Ingredient Disclosure List

CAS# 100-51-6 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits

CAS# 100-51-6: OEL-RUSSIA:STEL 5 mg/m³;Skin



Section 16 - Additional Information

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event Wuhan Biet Co.,Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Wuhan Biet Co.,Ltd has been advised of the possibility of such damages.