

凯达颐盛有限公司
地址 香港 中环夏慤道 美国银行中心 1301室

KAIDA YISHENG CO., LTD.
Address: 1301 Bank of America Tower, 12 Harcourt Road Central, Hong Kong
Tel: (852) 3589 3359 Fax: (852) 3589 3399 www.kaidayisheng.com - info@kaidayisheng.com



原材料说明 MATERIAL SPECIFICATION

原材料 Material : BENZYL ALCOHOL

批号 Batch No : YDJC180326 分子式 Formula : C₆H₅CH₂OH

分子量 Molecular Weight : 108.14

外观 Appearance : COLORLESS TRANSPARENT LIQUID

包装 Package : IN 210KG IRON DRUM

ITEMS	SPECIFICATION	RESULT
APPEARANCE	COLORLESS TRANSPARENT LIQUID	COLORLESS TRANSPARENT LIQUID
CONTENT (BY GC)	98.0% MIN	99.92%
DENSITY g/cm ³	1.042-1.047	1.044
ACID VALUE	0.5% MAX	0.09%
BENZALDEHYDE	0.06% MAX	0.025%
CLARITY OF SOLUTION (1:30)	CLEAR	CLEAR
WATER	0.1% MAX	0.0407%
CONCLUSION	QUALIFIED	

凯达颐盛有限公司
KAIDA YISHENG CO.,LTD.

赛德凡

所有信息都是在不为其准确性所产生的义务、结果或者使用者的风险承担责任的情况下如实提供的。
因此这些信息 并不能成为使用者侵犯版权或者超许可经营构成保护。

All information is offered in good faith, without guarantee or obligation by the accuracy or sufficiency thereof, or the result obtained and is accepted at user's risk. Nothing herein shall be construed as a recommendation for uses that infringe valid patents or as extending a license under valid patents.

MSDS FOR BENZYL ALCOHOL

Section 1 - Chemical Product

MSDS Name: Benzyl alcohol

Catalog Numbers: 418166

Synonyms: Phenylmethanol

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
100-51-6	Benzyl alcohol	>99.9%	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: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.

Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4°C/39F.) Store protected from light. Store under nitrogen.

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;

Oral, mouse: LD50 = 1360 mg/kg;

Oral, mouse: LD50 = 1360 mg/kg;

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;

颐盛有
YISHEN

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 12 - Ecological Information

Ecotoxicity: No data available. Log Pow: 1.1BOD5: 70%
Environmental: No information available.
Physical: No information available.
Other: Biodegradable.

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 depleters. This material does not contain any Class 2 Ozone depleters.

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

限公司
; CO., LTD.

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

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 shall Fisher 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 Fisher has been advised of the possibility of such damages.

凯达颐盛有限公司
KAIDA YISHENG CO.,LTD.

赛德仁

