
Material Safety Data Sheet

Product Name	<u>Benzyl Alcohol</u>
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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identification:****Product Description:** Benzyl Alcohol**Cat No. :** 20290, 96290, 24290, 23290, 80290, 10290, 50290**Synonyms:** No Information Available**CAS-No:** 100-51-6**EC-No.:** 202-859-9**Molecular Formula:** C₇ H₈ O

REACH Registration No: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

1.2. Relevant identified uses of the substance or mixture and uses advised against:**Recommended Use:** For analysis, solvent**1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta.: Sanand, Dist.: Ahmedabad,
Email: info@finarchemicals.com
Web: www.finarchemicals.com
- **E-Mail Address** safety@finarchemicals.com; info@finarchemicals.com

1.4. Emergency Telephone Number:

- For Emergency contact on: +91 - 2717 - 616 717,
- Registered office No: +91 - 79 - 40040085

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SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture:****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity, Category 4, Oral, H302

Acute toxicity, Category 4, Inhalation, H332

Eye irritation, Category 2, H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label Elements:**Labeling according Regulation (EC) No 1272/2008****Pictogram****Signal word****Danger**

Hazard statement(s)

H302 + H332 Harmful if swallowed or if inhaled.

H319 Causes serious eye irritation.

Precautionary statement(s)

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Reduced labelling (≤125 ml)Signal word: **Danger****2.3. Other Hazards:** None Known

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances:** Benzyl Alcohol

CAS-No: 100-51-6

3.2. Mixtures:

Component	CAS-No	EC-No.	Weight %
Benzyl Alcohol	100-51-6	202-859-9	>95%

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures:**

- **General advice**

First aider needs to protect himself.

- **If inhaled**

Fresh air. If breathing stops: mouth-to-mouth breathing or artificial respiration. Oxygen if necessary. Immediately call in physician.

- **If breathing stop**

Immediately apply artificial respiration, if necessary, also oxygen.

- **If Contact with skin**

Take off immediately all contaminated clothing. Rinse skin with water/ shower.

- **In case of eye contact**

Rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

- **If swallowed**

Immediately make victim drink water (two glasses at most). Consult a physician.

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4.2. Most important symptoms and effects, both acute and delayed:

Drying-out effect resulting in rough and chapped skin.

irritant effects, Cough, Shortness of breath, respiratory arrest, Drowsiness, inebriation, agitation, Diarrhoea, Nausea, Vomiting, Headache, Convulsions, CNS disorders, Unconsciousness.

4.3. Indication of any immediate medical attention and special treatment needed

Laxative: Sodium sulfate (1 tablespoon/1/4 l water).

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

Suitable Extinguishing Media- Water, Foam, Carbon dioxide (CO₂), Dry powder

Unsuitable Extinguishing Media- For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture:

Combustible.

Vapours are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for firefighters:

Special protective equipment for firefighters

Stay in danger area only with self-contained breathing apparatus.

Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further Information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact.

Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

6.2. Environmental precautions:

Do not let product enter drains.

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6.3. Methods and material for containment and cleaning up:

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material. Dispose of properly. Clean up affected area.

6.4. Reference to other sections:

For disposal see Sections 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection.

Wash hands and face after working with substance.

7.2. Conditions for safe storage, including any incompatibilities:

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons.

Protected from light.

Recommended storage temperature see product label.

7.3. Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure Controls:

- **Appropriate Engineering Controls:**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

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Personal Protective Equipment:**- Eye & Face Protection-**

Tightly fitting safety goggles

- Hand Protection -

Full contact: -

Glove material:	Butyl rubber
Glove thickness:	0.70 mm
Break through time:	> 480 min

Splash contact: -

Glove material:	Viton (R)
Glove thickness:	0.70 mm
Break through time:	> 120 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 890 Vitoject® (full contact), KCL 890 Vitoject® (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

- Body Protection-

Protective clothing

- Respiratory Protection-

Required when vapours/aerosols are generated.

Recommended Filter type: Filter A- (acc. To DIN 3181) for vapours of organic compounds

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

- Environmental Exposure Controls-

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties:**

- **Appearance:** - Colorless
- **Physical State:** - Liquid
- **Odour:** - Characteristic
- **pH:** - No data available
- **Melting Point:** - -15.3°C
- **Ignition Temperature:** - 435°C
- **Vapor Pressure:** - 0.07 hPa at 20°C
- **Relative Vapor Density:** - 3.72
- **Density:** - 1.05 g/cm³ at 20 °C
- **Volatility:** - No data available
- **Bulk Density:** - No data available
- **Odor Threshold:** - No data available
- **Viscosity, dynamic:** - 6.57 mPa.s at 20°C
- **Water/Oil Dist. Co eff.:** - No data available
- **Ionicity (in Water):** - No data available
- **Boiling Point/Range:** - 205°C at 1.013 hPa
- **Flash Point:** - 101°C
- **Specific Gravity / Density:** - No data available
- **Water Solubility:** - 40 g/l at 20°C

9.2. Other information:

Molecular Formula: - C₆H₅CH₂OH

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity: -**

Forms explosives mixtures with air on intense heating.

A range from approx. 15 kelvin below the flash point is to be rated as critical.

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10.2. Chemical stability: -

Sensitivity to light & Sensitive to air.

10.3. Possibility of hazardous reactions: -

Risk of explosion with: non-metallic halides

Exothermic reaction with: Oxidizing agents, polymerisation initiators, hydrogen bromide, Iron, sulphuric acid, Acids, Isocyanates

10.4. Conditions to avoid: - Strong Heating

10.5. Incompatible materials: - Various Plastic

10.6. Hazardous decomposition products:-

No information Available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral toxicity

LD50 Rat: 1,620 mg/kg

(ECHA)

Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract., Vomiting, Diarrhoea

Acute Inhalation Toxicity

Acute toxicity estimate: 1.51 mg/l

Symptoms: mucosal irritations, Cough, Shortness of breath

Acute Dermal toxicity

This information is not available.

Skin corrosion/irritation

Rabbit

Result: No irritation

OECD Test Guideline 404

Serious eye damage/eye irritation

Sensitisation

Maximisation Test

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Result: negative

Method: OECD Test Guideline 406

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Mixture may cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

No data available

11.2 Further Information

After absorption:

Systemic effect:

Nausea, Headache, agitation, inebriation, CNS disorders, respiratory arrest, Convulsions, Drowsiness, Unconsciousness

Chronic intoxication:

Damage to:

Cardiac

Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Toxicity to fish: static test LC50 Pimephales promelas (fathead minnow): 460 mg/l; 96 h

US-EPA

Toxicity to daphnia and other aquatic invertebrates

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Immobilization EC50 Daphnia magna (Water flea): 230 mg/l; 48 h
 OECD Test Guideline 202
 Toxicity to algae
 static test ErC50 Pseudokirchneriella subcapitata (green algae): 700 mg/l; 72 h
 OECD Test Guideline 201
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
 semi-static test NOEC Daphnia magna (Water flea): 51 mg/l; 21 d
 OECD Test Guideline 211

12.2 Persistence and degradability:

Biodegradability
 92 - 96 %; 14 d; aerobic
 OECD Test Guideline 301C
 Readily biodegradable
 95 - 97 %; 21 d; aerobic
 OECD Test Guideline 301A
 Readily biodegradable
 Biochemical Oxygen Demand (BOD)
 1.550 mg/g (5 d) (Lit.)
 Theoretical oxygen demand (ThOD)
 2,515 mg/g
 (IUCLID)
 Ratio BOD/ThBOD
 BOD5 62 % (Lit.)
 Ratio COD/ThBOD
 96 % (Lit.)

12.3 Bioaccumulate potential:

Partition Coefficient: - n-Octanol/water
 log Pow: 1.05 (20 °C)
 (experimental)
 Bioaccumulation is not expected.

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12.4 Mobility in soil:

No data available (strontium nitrate)

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

12.6 Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the national and local regulations.

Leave chemicals in original containers. No mixing with other waste.

Handle uncleaned containers like the product itself.

SECTION 14: Transport information

	Land transport (ADR/RID)	Air transport (IATA)	Sea transport (IMDG)
14.1 UN number	-	UN 3334	-
14.2 Proper shipping name	-	AVIATION REGULATED LIQUID, N.O.S. (BENZYL ALCOHOL)	-
14.3 Class	-	9	-
14.4 Packing group	-	III	-
14.5 Environmentally hazardous	-	-	-
14.6 Special precautions for user	-	No	-

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National Legislation

Storage class 10-13

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.

Training advice

Provide adequate information, instruction and training for operators.

Labelling

Hazard pictograms



Signal word: Warning

Hazard statements

H302 + H332 Harmful if swallowed or if inhaled.

H319 Causes serious eye irritation.

Precautionary statements

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

References: Not available

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Disclaimer:

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