

SAFETY DATA SHEET

BENZYL ALCOHOL

CAS No.: 100-51-6

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Benzyl Alcohol
CAS Number	100-51-6
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Warning
HAZARD CLASSIFICATION - Acute toxicity, oral - Category 4 - Skin sensitization - Category 1 - Eye irritation - Category 2	
HAZARD STATEMENTS - H302 - Harmful if swallowed - H317 - May cause an allergic skin reaction - H319 - Causes serious eye irritation	
PRECAUTIONARY STATEMENTS - P264 - Wash hands thoroughly after handling - P270 - Do not eat, drink or smoke when using this product - P272 - Contaminated work clothing should not be allowed out of the workplace - P280 - Wear protective gloves/eye protection/face protection - P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes, remove contact lenses if present - P333+P313 - If skin irritation or rash occurs: get medical advice/attention	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Benzyl Alcohol
CAS Number	100-51-6
Physical State	Liquid
Appearance / Odour	Colorless liquid with a faint, pleasant aromatic odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present. Get medical attention if irritation persists.
Skin Contact	Wash with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation or an allergic reaction develops.
Inhalation	Remove to fresh air. Get medical attention if discomfort or breathing difficulty occurs.
Ingestion	Rinse mouth with water. Do not induce vomiting. Give water to drink and seek medical advice if a significant amount was swallowed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray/fog, dry chemical, carbon dioxide, alcohol-resistant foam.
Unsuitable Extinguishing Media	None specifically identified; avoid high-pressure water streams that could spread the material.
Special Hazards	Combustible liquid at elevated temperatures; combustion may release irritating/toxic fumes including carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Measures	Contain the spill; absorb with inert material and collect in suitable containers. Avoid contact with skin and eyes; prevent entry into drains and waterways.
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7. HANDLING AND STORAGE

Handling Precautions	Avoid contact with skin and eyes and breathing vapors/mist; use with adequate ventilation. Wash hands and any contaminated clothing thoroughly after handling due to sensitization potential.
Storage Conditions	Store in a cool, dry, well-ventilated area in tightly closed containers, protected from light, away from strong oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No widely-adopted specific OSHA/ACGIH exposure limit. Use safety glasses/goggles, chemical-resistant gloves, and adequate ventilation to minimize vapor exposure.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Colorless liquid with a faint, pleasant aromatic odor.
Boiling Point	205.3
Melting Point	-15.2
Flash Point	93 (closed cup)
Density / Specific Gravity	1.044 g/cm3 at 20 C
Water Solubility	Slightly soluble, approx. 35-43 g/L at 20-25 C
pH Value	Not applicable (approx. neutral, 6-7, in saturated aqueous solution)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use; can slowly oxidize to benzaldehyde/benzoic acid on prolonged air/light exposure.
Incompatible Materials	Strong oxidizers, strong acids and acid anhydrides/chlorides.
Hazardous Decomposition	Thermal decomposition/combustion can produce carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Summary	Low to moderate acute oral toxicity; can cause serious eye irritation and allergic skin sensitization reactions on repeated contact. Not classified as a carcinogen, mutagen, or reproductive toxicant based on current data; high-dose exposures (e.g., in neonates via IV formulations) have historically been linked to toxicity, but this is not relevant to typical industrial handling.
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12. ECOLOGICAL INFORMATION

Summary	Low to moderate acute aquatic toxicity and readily biodegradable; not typically classified as hazardous to the aquatic environment under GHS criteria.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of in accordance with local, state, and federal regulations; incineration by a licensed facility or biological treatment (where permitted) are common disposal routes. Do not discharge directly to waterways.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not applicable
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Widely listed on TSCA, REACH/EINECS, and other global inventories as an approved fragrance/cosmetic and pharmaceutical excipient ingredient (subject to concentration limits in personal care formulations due to its sensitization potential); not subject to DOT/IMDG/IATA dangerous goods classification.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

(This document is computer generated and therefore does not require any signature.)

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