

**MATERIAL SAFETY DATA SHEET**

Product Name: Benzyl alcohol

CAS No.: 100-51-6

Version: 0

**1. Identification**

**Product Code** : 90010, 90129, 90346, 98148  
**Company Name** : Advent Chembio Private Limited  
**Address** : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.  
**E-mail** : [info@adventchembio.com](mailto:info@adventchembio.com)  
**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)  
**Company Phone Number** : 022-27690837

**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent
BENZYL ALCOHOL	100-51-6	99- 100%

**3. Hazards Identification****Hazard classification****Health hazards**

Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation - vapor) : Category 4

**Labels elements****Hazard symbol**

**Signal word** : Warning  
**Hazard statement** : Harmful if swallowed.  
Harmful if inhaled.

**Precautionary statement**

**Prevention** : Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.  
**Response** : IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. Rinse mouth. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal .

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**Other hazards which do not result in GHS classification** : None.

**4. First Aid Measures**

- General information** : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation** : Move to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact** : Wash skin thoroughly with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
- Eye contact** : Flush thoroughly with water. If irritation occurs, get medical assistance.
- Most important symptoms/effects, acute and delayed** : Harmful if swallowed. Harmful if inhaled.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

**5. Fire fighting measures**

- General fire hazards** : No unusual fire or explosion hazards noted.
- Suitable (and unsuitable) extinguishing media**
- Suitable extinguishing media** : Extinguish with foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : During fire, gases hazardous to health may be formed .
- Special protective equipment and precautions for firefighters**
- Special fire fighting procedures** : In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA .

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**6. Accidental Release Measures**

- Personal precautions, protective equipment and emergency procedures** : Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
- Methods and material for containment and cleaning up** : Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal .
- Notification Procedures** : Stop the flow of material, if this is without risk. Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
- Environmental precautions** : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with eyes, skin, and clothing. Avoid breathing substance. Do not taste or swallow. Use personal protective equipment as required. Wash hands thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep away from food, drink and animal feeding stuffs. Store in tightly closed original container in a dry, cool and well-ventilated place .

**8. Exposure Controls Personal Protection**

- Control parameters**
- Occupational exposure limits** : None of the components have assigned exposure limits.
- Appropriate engineering controls** : No data available.
- Individual protection measures, such as personal protective equipment**
- General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
- Eye/face protection** : Wear safety glasses with side shields (or goggles) and a face shield.
- Hand protection** : Chemical resistant gloves .
- Other** : Wear suitable protective clothing.
- Respiratory protection** : In case of inadequate ventilation use suitable respirator.
- Hygiene measures** : Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material

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and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**9. Physical and Chemical Properties**

<b>Appearance</b>	:	Colorless liquid.
<b>Odor</b>	:	Mild, Aromatic
<b>pH</b>	:	No data available.
<b>Melting point/freezing point</b>	:	-15.2 °C
<b>Initial boiling point and boiling range</b>	:	205 °C
<b>Flash Point</b>	:	93 °C
<b>Vapor pressure</b>	:	0.01 kPa (25 °C)
<b>Vapor density</b>	:	3.72 AIR=1
<b>Relative density</b>	:	1.05 (20 °C) 4 °C
<b>Solubility in water</b>	:	40 g/l (17 °C)
<b>Solubility (other)</b>	:	No data available.
<b>Formula</b>	:	C <sub>7</sub> H <sub>8</sub> O
<b>Molecular Weight</b>	:	108.14 g/mol .

**10. Stability and Reactivity**

<b>Reactivity</b>	:	No dangerous reaction known under conditions of normal use .
<b>Chemical stability</b>	:	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	:	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	:	Heat, sparks, flames. Contact with incompatible materials. Keep away from sources of ignition - No smoking. .
<b>Incompatible materials</b>	:	Acids. Oxidizing agents. Aluminum.
<b>Hazardous decomposition products</b>	:	Thermal decomposition may release oxides of carbon.

**11. Toxicological Information****Information on likely routes of exposure**

<b>Ingestion</b>	:	Harmful if swallowed.
<b>Inhalation</b>	:	Harmful if inhaled.
<b>Skin contact</b>	:	May cause irritation. May be harmful in contact with skin.
<b>Eye contact</b>	:	May cause temporary eye irritation.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

<b>Oral Product</b>	:	LD 50 (Rat): 1,230 - 3,100 mg/kg
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<b>Dermal Product</b>	:	LD 50 (Rabbit): 2,000 mg/kg .
<b>Inhalation Product</b>	:	LC 100 (Rat, 8 h): 200 - 300 mg/l
<b>Repeated dose toxicity Product</b>	:	No data available.
<b>Skin corrosion/irritation Product</b>	:	May cause skin irritation.
<b>Serious eye damage/eye irritation Product</b>	:	May irritate eyes.
<b>Respiratory or skin sensitization Product</b>	:	Not a skin sensitizer.
<b>Carcinogenicity Product</b>	:	This substance has no evidence of carcinogenic properties.
<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE</b>	:	No carcinogenic components identified.
<b>US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE</b>	:	No carcinogenic components identified.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050</b>	:	No carcinogenic components identified.
<b>Germ cell mutagenicity</b>		
<b>In vitro Product</b>	:	No mutagenic components identified.
<b>In vivo Product</b>	:	No mutagenic components identified.
<b>Reproductive toxicity Product</b>	:	No components toxic to reproduction.
<b>Specific target organ toxicity - single exposure Product</b>	:	None known.
<b>Specific target organ toxicity - repeated exposure Product</b>	:	None known.
<b>Aspiration hazard Product</b>	:	Not classified.
<b>Other effects</b>	:	None known.

<b>12. Ecological Information</b>
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<b>Ecotoxicity</b>		
<b>Acute hazards to the aquatic environment :</b>		
<b>Fish Product</b>	:	No data available.
<b>Specified substance(s): BENZYL ALCOHOL</b>		LC 50 (Bluegill (Lepomis macrochirus), 96 h): 10 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 460 mg/l Mortality .
<b>Aquatic invertebrates Product</b>	:	No data available.
<b>Chronic hazards to the aquatic environment :</b>		
<b>Fish Product</b>	:	No data available.
<b>Aquatic invertebrates Product</b>	:	No data available.
<b>Toxicity to Aquatic Plants Product:</b>	:	No data available.
<b>Persistence and degradability</b>		
<b>Biodegradation Product</b>	:	The product is not expected to be biodegradable.
<b>BOD/COD ratio Product</b>	:	No data available.
<b>Bioaccumulative potential</b>		

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- Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.
- Partition coefficient n-octanol / water (log Kow) Product** : Log Kow: 1.10
- Mobility in soil** : The product is partly soluble in water. May spread in the aquatic environment.
- Other adverse effects** : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**13. Disposal consideration**

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>			Not Regulated		
<b>IMDG</b>			Not Regulated		
<b>IATA</b>			Not Regulated		

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

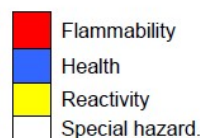
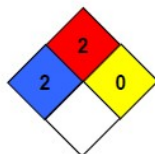
Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

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**16. Other Information****NFPA Hazard ID**

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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