



<b>BENZYL ALCOHOL</b> <b>CAS No 100-51-6</b>	<b>MATERIAL SAFETY DATA SHEET</b> <b>SDS/MSDS</b>
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**

Product name : Benzyl alcohol

CAS-No. : 100-51-6

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Industrial & for professional use only.

**1.3 Details of the supplier of the safety data sheet**

Company : Pallav Chemicals & Solvents Pvt. Ltd  
253, Shiv Shakti Industrial Estate, Opp Mittal Estate  
Andheri Kurla Road, Andheri (E), Mumbai - 400050  
INDIA

Telephone : +91 22 4928 4000

Email : [sales@pallavchemicals.com](mailto:sales@pallavchemicals.com)

**1.4 Emergency telephone number**

Emergency Phone # : +91 22 4928 4000 (9:00am - 6:00 pm) [Office hours]

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No**

**1272/2008** Acute toxicity, Oral (Category 4), H302 Acute toxicity, Inhalation (Category 4), 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**

**Labelling according Regulation (EC) No 1272/2008**

Pictogram

Signal word : Warning

Hazard statement(s)

H302 + H332

H319

Harmful if swallowed or if inhaled

Causes serious eye irritation.

Precautionary statement(s)	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	none

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms	: Benzenemethanol
Formula	: C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> OH
Molecular weight	: 108.14 g/mol
CAS-No.	: 100-51-6
EC-No.	: 202-859-9
Index-No.	: 603-057-00-5

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component		Classification	Concentration
<b>Benzyl alcohol</b>			
CAS-No.	100-51-6	Acute Tox. 4; Eye Irrit. 2;	<= 100 %
EC-No.	202-859-9	H302, H332, H319	
Index-No.	603-057-00-5		

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 Further information**

No data available

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas. hygroscopic  
Storage class (TRGS 510): Combustible liquids

### **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**

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment**

##### **Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(without touching glove's outer surface) to avoid skin contact with this product. Dispose of Page 3 of 7

contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### **Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

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|--|--|
| a) Appearance  | Form: liquid, clear<br>Colour: colourless                        |
| b) Odour   | No data available  |
| c) Odour Threshold   | No data available  |
| d) pH  | No data available  |
| e) Melting point/freezing point  | Melting point/range: -16 - -13 °C - lit.                         |
| f) Initial boiling point and boiling range                                   | 203 - 205 °C - lit.  |
| g) Flash point   | 96 °C - closed cup   |
| h) Evaporation rate  | No data available  |
| i) Flammability (solid, gas)   | No data available  |
| j) Upper/lower flammability or explosive limits                              | No data available  |
| k) Vapour pressure   | 3.75 mmHg at 77 °C<br>13.3 mmHg at 100 °C<br>0.094 mmHg at 25 °C |
| l) Vapour density  | 3.73 - (Air = 1.0)   |
| m) Relative density  | 1.045 g/cm <sup>3</sup> at 25 °C                                 |
| n) Water solubility  | 33 g/l at 20 °C  |
| o) Partition coefficient: n-log Pow: 1.1log Pow: 1.05 at 20 °C octanol/water |  |
| p) Auto-ignition temperature   | No data available  |
| q) Decomposition temperature   | No data available  |
| r) Viscosity   | No data available  |
| s) Explosive properties  | No data available  |
| t) Oxidizing properties  | No data available  |

## 9.2 Other safety information

Surface tension 39 mN/m at 20 °C

Relative vapour density 3.73 - (Air = 1.0)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

hygroscopic

Stable under recommended storage conditions.

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

A mixture of benzyl alcohol and 58% sulfuric acid decomposed violently when hydrogen bromide and 1.1% of an iron(II) salt polymerized exothermally when

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - 1,230 mg/kg(Benzyl alcohol)

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Excitement.

Behavioral:Coma. LD50 Oral - Rat - male - 1,620 mg/kg(Benzyl alcohol) Dermal: No data available(Benzyl alcohol)

#### Skin corrosion/irritation Skin

- Rabbit(Benzyl alcohol)

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

#### Serious eye damage/eye irritation

Eyes - Rabbit(Benzyl alcohol)

Result: Eye irritation - 24 h

(OECD Test Guideline 405)

#### Respiratory or skin sensitisation

No data available(Benzyl alcohol)

#### Germ cell mutagenicity

No data available(Benzyl alcohol)

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **Reproductive toxicity**

No data available(Benzyl alcohol)

### **Specific target organ toxicity - single exposure**

No data available(Benzyl alcohol)

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available(Benzyl alcohol)

### **Additional Information**

RTECS: DN3150000

Central nervous system depression(Benzyl alcohol)

Liver - Irregularities - Based on Human Evidence(Benzyl alcohol)

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h(Benzyl alcohol) LC50 - Pimephales promelas (fathead minnow) - 460 mg/l - 96 h(Benzyl alcohol)
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h(Benzyl alcohol)  - Daphnia magna (Water flea) - 230 mg/l - 48 h(Benzyl alcohol) (OECD Test Guideline 202)

### **12.2 Persistence and degradability**

Biodegradability	Biotic/Aerobic - Exposure time 28 d(Benzyl alcohol) Result: 92 - 96 % - Readily biodegradable aerobic Biochemical oxygen demand - Exposure time 7 d(Benzyl alcohol) Result: 92 - 96 % - Readily biodegradable (OECD Test Guideline 301C)
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### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available(Benzyl alcohol)

### **12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

