



## TECHNICAL DATA SHEET

**Product Name:** Benzyl Alcohol

**CAS No.:** 100-51-6

**EINECS No.:** 202-859-9

**Molecular Formula:** C<sub>7</sub>H<sub>8</sub>O

**Molecular Weight:** 108.14 g/mol

### 1. Product Identification

**Chemical Name:** Benzyl Alcohol

**Synonyms:** Phenylmethanol,  $\alpha$ -Hydroxytoluene

**Appearance:** Clear, colorless liquid with a mild pleasant aromatic odor

### 2. Specifications

Parameter	Specification
Purity (GC)	$\geq 99.0 \%$
Water Content	$\leq 0.2 \%$
Color (APHA, Pt-Co)	$\leq 10$
Acidity (as benzoic acid)	$\leq 0.005 \%$
Refractive Index (20 °C)	1.538 – 1.541
Specific Gravity (20 °C)	1.043 – 1.048
Boiling Point	205 – 207 °C
Flash Point (closed cup)	101 °C
Melting Point	-15 °C
Solubility in Water	4 g/100 mL (20 °C)

### 3. Applications

Used as a **solvent** for inks, paints, epoxy resins, and coatings.

Acts as a **preservative** in pharmaceuticals, cosmetics, and personal care products.

Employed as an **intermediate** in the manufacture of esters, perfumes, and flavoring agents.

Applied in **textile dyeing auxiliaries** and **lubricant formulations**.

### 4. Handling & Storage

Store in a **cool, dry, well-ventilated area** away from heat and open flames.

Keep container tightly closed when not in use.

Avoid contact with strong oxidizing agents.

Shelf life: **24 months** under recommended storage conditions.

### 5. Safety Information

**GHS Classification:** Harmful if swallowed or inhaled, causes skin and eye irritation.

#### **Hazard Statements:**

H302: Harmful if swallowed

H332: Harmful if inhaled

H319: Causes serious eye irritation

**Personal Protection:** Use protective gloves, goggles, and adequate ventilation.

### 6. Packaging

210 kg steel drum