



SDS #: 110

Revision Date: October 7, 2015

Benzyl Alcohol Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Benzyl Alcohol

Signal Word
WARNING

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9476

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral, dermal, and inhalation (Category 4). Harmful if swallowed, inhaled or in contact with skin (H302+H312+H332). Do not eat, drink or smoke when using this product (P270). Avoid breathing mist, vapors or spray (P261).



Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

Hazard class: Serious eye irritation (Category 2A). Causes serious eye irritation (H319).

Hazard class: Sensitization skin (Category 1). May cause an allergic skin reaction (H317).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Benzyl alcohol	100-51-6	C ₆ H ₅ CH ₂ OH	108.14	
Synonyms: Phenyl carbinol; Hydroxy toluene				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312). **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. **If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313). Wash contaminated clothing before reuse (P363). **If swallowed:** Rinse mouth. **Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).**

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.

Flash point: 93 °C Autoignition Temperature: 436 °C

When heated to decomposition, may emit toxic fumes.

NFPA Code

H-1

F-1

In case of fire: Use a tri-class dry chemical fire extinguisher.

R-0

Hazardous combustion products: carbon oxides.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.

Store in a Flinn Chem-Saf™ can. Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

Use only in a hood or well-ventilated area (P271).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid. Slight aromatic odor. Odor threshold:

5.5 ppm

Soluble: Slightly in water. Miscible with alcohol, ether, and chloroform.

Vapor pressure @ 20 °C (kPa): 0.003 kPa

Vapor density: 3.72 Partition coefficient (n-octanol/water): 1.1

Boiling point: 205 °C

Melting point: -15.2 °C

Refractive index: 1.5396

Specific gravity: 1.0419 at 20 °C

Flash point: 93 °C Autoignition temperature: 436 °C

SECTION 10 — STABILITY AND REACTIVITY

Exposure to heat may build pressure in closed container. Avoid contact with acid, chlorides, acid anhydrides, oxidizing agents, and plastics. Attacks some plastics, rubber and coatings

Shelf life: Good, if stored properly and away from oxidants. Exposure to light accelerates decomposition.

Conditions to avoid: heat, ignition sources, exposure to light, exposure to air, incompatible materials.

SECTION 11 — TOXICOLOGICAL INFORMATION

Exposure routes: eyes, ingestion, inhalation, skin contact

Acute effects: Skin and respiratory tract irritant.

Chronic effects: N.A.

Target organs: Central nervous system.

ORL-RAT LD₅₀: 1230 mg/kg

IHL-RAT LC₅₀: N.A.

SKN-RBT LD₅₀: 2 g/kg

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (202-859-9).

SECTION 16 — OTHER INFORMATION

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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