





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 <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> 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.

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-  
ocatnol/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 LD<sub>50</sub>: 1230 mg/kg

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: 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

---

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates,

regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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.**

**Revision Date:** October 7, 2015

---