

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 110.00

Revision Date: October 7, 2015

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Benzyl Alcohol

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

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.

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

Hazardous combustion products: carbon oxides.

NFPA CODE

H-1

F-1

R-0

### 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.

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**SECTION 7 — HANDLING AND STORAGE**

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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).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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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).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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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

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**SECTION 10 — STABILITY AND REACTIVITY**

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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.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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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

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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

Flinn Suggested Disposal Method #18b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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

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**SECTION 16 — OTHER INFORMATION**

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

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