

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 106.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Benzoic Acid

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

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

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Benzoic acid	65-85-0	C <sub>6</sub> H <sub>5</sub> COOH	122.12	
Synonym: Benzene carboxylic acid				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell or if eye irritation persists (P312+P313+P337).

**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. (P305+P351+P338).

**If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water.

**If swallowed:** Rinse mouth (P330). Call a POISON CENTER or physician if you feel unwell (P301+P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.

Flash point: 121 °C Autoignition Temperature: 570 °C

When heated to decomposition, may emit toxic fumes.

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

NFPA CODE

H-1

F-1

R-0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not allow solid to become airborne. Ventilate area. Wipe up the spill, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. 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 #1. Store with acids, anhydrides and peracids.  
Keep container tightly closed (P233). Use in a well-ventilated area or in a hood (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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White crystalline powder. Odor like maple syrup.  
Soluble: Alcohol. Slightly in water.

Boiling point: 249 °C  
Melting point: 122 °C  
Refractive index: 1.50  
Specific gravity: 1.27  
Vapor density: 4.21

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with heat, strong oxidizers, bases, and reducing agents. Combustible.  
Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Severe eye irritant, respiratory irritant.  
Chronic effects: N.A.  
Target organs: Eyes, skin, respiratory system,

ORL-RAT LD<sub>50</sub>: 1700 mg/kg  
IHL-RAT LC<sub>50</sub>: > 26 mg/m<sup>3</sup>/1H  
SKN-RBT LD<sub>50</sub>: > 10 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 #24a 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 (200-618-2).

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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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