

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Benzophenone

Signal Word  
**WARNING**

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

Chemtrec Emergency Phone Number: (800) 424-9474

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, dermal (Category 5). May be harmful in contact with skin (H313).



Hazard class: Carcinogenicity (Category 2). Suspected of causing cancer (H351). Obtain special instructions before use (P201). Do not handle until all safety precautions have been read and understood (P202). Use personal protective equipment as required (P281). IARC-2B

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name            | CAS Number | Formula                                          | Formula Weight | Concentration |
|---------------------------|------------|--------------------------------------------------|----------------|---------------|
| Benzophenone              | 119-61-9   | (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> CO | 182.22         |               |
| Synonyms: Diphenyl ketone |            |                                                  |                |               |

### SECTION 4 — FIRST AID MEASURES

**If exposed or concerned:** Get medical advice or attention (P308+P313).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**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.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.

NFPA Code

When heated to decomposition, may emit toxic fumes.

None established

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

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

---

## SECTION 7 — HANDLING AND STORAGE

---

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, and halogenated hydrocarbons. Store in a cool, dry place.

---

## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

---

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

---

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

---

|                                                                |                          |
|----------------------------------------------------------------|--------------------------|
| Off-white chips and flakes. Geranium-like odor.                | Boiling point: 305 °C    |
| Soluble: Partially alcohol and chloroform. Insoluble in water. | Melting point: 49 °C     |
|                                                                | Refractive index: 1.6077 |
|                                                                | Specific gravity: 1.11   |

---

## SECTION 10 — STABILITY AND REACTIVITY

---

Avoid contact with strong oxidizers and reducers.  
Shelf life: Good, if stored properly.

---

## SECTION 11 — TOXICOLOGICAL INFORMATION

---

|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Acute effects: Irritant.                        | ORL-RAT LD <sub>50</sub> : greater than 10 g/kg |
| Chronic effects: Possibly carcinogenic, IARC-2B | IHL-RAT LC <sub>50</sub> : N.A.                 |
| Target organs: N.A.                             | SKN-RBT LD <sub>50</sub> : 3535 mg/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 (204-337-6).

---

## 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: September 22, 2014

---