

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 190.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Caffeine

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 3). Toxic if swallowed (H301). Do not eat, drink or smoke when using this product (P270).

Product should be treated as a chemical and is not for consumption as it has been stored with other nonfood-grade chemicals.

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Caffeine	58-08-2	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	194.20	

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**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. Immediately call a POISON CENTER or physician (P301+P310+P330).

### SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid, flammable hazard as a dust.

When heated to decomposition, may emit toxic fumes.

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

**NFPA CODE**

None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe 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.

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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 cool, dry place. Store in a Flinn Chem-Saf™ bag inside a poison cabinet.

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

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Avoid contact with eyes. Wash hands thoroughly after handling (P264).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White crystal. Odorless.

Soluble: Chloroform. Slightly in water and alcohol.

Boiling point: 90 °C (sublimes)

Melting point: 238 °C

Specific gravity: 1.23

Used in LD<sub>50</sub> studies, daphnia heart rate and root tip mitosis inhibition (<0.1%) experiments.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Shelf life: Fair to poor. Effloresces in air resulting in decomposition. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Not for human consumption!

Acute effects: Toxic, as little as 65 mg can be life threatening.

Chronic effects: Possible teratogen and possible mutagen.

Target organs: Central nervous system and heart. Mitotic inhibitor.

ORL-RAT LD<sub>50</sub>: 192 mg/kg

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

SKN-RBT LD<sub>50</sub>: N.A.

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 #5 is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Toxic solids, organic, N.O.S. Hazard class: 6.1, Keep away from food. UN number: UN2811.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-362-1).

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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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