

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 545.00

Revision Date: December 13, 2013

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Nicotine

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 and dermal (Category 1). Fatal if swallowed or in contact with skin (H300+H310). Do not eat, drink or smoke when using this product (P270). Do not get in eyes, on skin, or on clothing (P262).

Suspected teratogen.

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Nicotine (black leaf)	54-11-5	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	162.24	

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**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. Continue rinsing.

**If on skin:** Gently wash with plenty of water (P302+P350). Remove immediately all contaminated clothing (P361). Wash contaminated clothing before reuse (P363).

**If swallowed:** Immediately call a POISON CENTER or physician (P301+P310). Rinse mouth (P330).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.

Flash point: 101 °C Flammable limits: Lower: 0.7% Upper: 4.0% Autoignition Temperature: 244 °C

When heated to decomposition, may emit toxic fumes.

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

**NFPA CODE**

H-3

F-1

R-0

### 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 poisons cabinet.

Deliquescent. Store in a cool, dry place within a Flinn Chem-Saf™ bag.

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

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Wear protective gloves, protective clothing, and eye protection (P280). Wash thoroughly after handling (P264).

Exposure guidelines: PEL/TLV 0.5 mg/m<sup>3</sup> (OSHA, ACGIH) Readily absorbed through the skin.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Thick, water-white oil. Turns brown on exposure to air or light.

Strong odor like old, smoked cigarettes.

Soluble: Water and many organic solvents

Boiling point: 250 °C

Melting point: -79 °C

Specific gravity: 1.010

Not for human use.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizing agents and strong acids.

Shelf life: Poor, deliquescent. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Cyanosis, irritant, nausea, dizziness, headache, stomach pains, vomiting, diarrhea.

Chronic effects: Convulsions, possible teratogen

Target organs: Nervous system, skeletal muscle, GI system.

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

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

SKN-RBT LD<sub>50</sub>: 140 mg/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 #5 is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Nicotine. Hazard class: 6.1, Poison. UN number: UN1654.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-193-3), RCRA code P075.

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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.