

Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Nicotine

Signal Word
DANGER

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

Chemtrec Emergency Phone Number: (800) 424-10049

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 ₁₀ H ₁₄ N ₂	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 so. 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.

NFPA Code

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

H-3

F-1

When heated to decomposition, may emit toxic fumes.

R-0

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

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.

SECTION 7 — HANDLING AND STORAGE

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.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

Exposure guidelines: PEL/TLV 0.5 mg/m³ (OSHA/ACGIH) Readily absorbed through the skin.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Thick, water-white oil. Turns brown on exposure to air or light.	Boiling point: 250 °C
Strong odor like old, smoked cigarettes.	Melting point: -79 °C
Soluble: Water and many organic solvents	Specific gravity: 1.010
	Not for human use.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents and strong acids.

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

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Cyanosis, irritant, nausea, dizziness, headache, stomach pains, vomiting, diarrhea.	ORL-RAT LD ₅₀ : 50 mg/kg
Chronic effects: Convulsions, possible teratogen	IHL-RAT LC ₅₀ : N.A.
Target organs: Nervous system, skeletal muscle, GI system.	SKN-RBT LD ₅₀ : 140 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 #5 is one option.

SECTION 14 — TRANSPORT INFORMATION

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

SECTION 15 — REGULATORY INFORMATION

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

SECTION 16 — OTHER INFORMATION

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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.

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