



SDS #: 663

Revision Date: May 16, 2014

## Pyridine Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Pyridine

Signal Word  
DANGER

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-10200

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed, in contact with skin or if inhaled (H302+P312+P332). Do not eat, drink or smoke when using this product (P270).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Pyridine	110-86-1	C <sub>5</sub> H <sub>5</sub> N	79.1	

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**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.

**If on skin:** Wash with plenty of water (P302+P352). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid.

NFPA Code

Flash point: 20 °C Flammable limits: Lower: 1.8% Upper: 12.4% Autoignition Temperature: 482 °C

H-3

F-3

When heated to decomposition, may emit toxic fumes.

R-0

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. 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 dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can. Keep container tightly closed (P233). Keep cool (P235). Use only in a hood or well-ventilated area (P271). Use explosion-proof electrical and ventilating equipment (P241).

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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).

Exposure guidelines: PEL 5 ppm (OSHA); TLV 1 ppm (ACGIH); IDLH 1000 ppm

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Slight yellow or colorless liquid. Nauseating odor.	Boiling point: 115 °C
Soluble: Water and many organic solvents	Melting point: -42 °C
	Specific gravity: 0.9819
	Vapor density: 2.72
	Vapor pressure: 20 mmHg

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with acids, acid chlorides, oxidizers, chloroformates.

Shelf life: Good, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Toxic, severe irritant, coughing, chest pains, difficulty in breathing, and GI disturbances.	ORL-RAT LD <sub>50</sub> : 891 mg/kg
Chronic effects: Possible mutagen	IHL-RAT LC <sub>50</sub> : 28,500 mg/m <sup>3</sup> /1H
Target organs: Liver, kidneys	SKN-RBT LD <sub>50</sub> : 1121 mg/kg

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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: Pyridine. Hazard class: 3, Flammable liquid. UN number: UN1282.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (203-809-9), RCRA code U196.

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**SECTION 16 — OTHER INFORMATION**

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