

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 75.00

Revision Date: March 14, 2001

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### Section 1 — Chemical Product and Company Identification

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## Aniline Hydrochloride

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

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Aniline Hydrochloride

CAS#: 142-04-1

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### Section 3 — Hazards Identification

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Green crystalline powder, odorless.

Moderately toxic by ingestion, inhalation or skin absorption; contains aniline. Irritating to skin, eyes and mucous membranes. Avoid all body contact.

#### FLINN AT-A-GLANCE

Health-2  
Flammability-1  
Reactivity-1  
Exposure-2  
Storage-1

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Wash mouth out with water. Do not induce vomiting. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Non flammable, combustible solid.

When heated to decomposition, emits toxic NO<sub>x</sub> and Cl fumes.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

H-3  
F-1  
R-1

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area. Sweep up, place in 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. Protect from light.

Use and dispense in a hood.

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### Section 8 — Exposure Controls, Personal Protection

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Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use exhaust ventilation to keep airborne concentrations low.

### Section 9 — Physical and Chemical Properties

Green crystalline powder. Odorless.  
Solubility: Soluble in water and alcohol.  
Formula: C<sub>6</sub>H<sub>5</sub>NH<sub>2</sub> HCl  
Formula Weight: 129.60

Specific Gravity: 1.2215

### Section 10 — Stability and Reactivity

Avoid contact with strong oxidizers. May discolor on exposure to light.  
Shelf life: stores poorly.

### Section 11 — Toxicological Information

Acute effects: Toxic, irritant  
Chronic effects: Possible mutagen  
Target organs: Blood, nervous system

ORL-RAT LD50: 840 mg/kg  
IHL-RAT LC50: N.A.  
SKN-RBT LD50: 500 mg/24H

N.A. = Not available, not all health aspects of this substance have been fully investigated.

### Section 12 — Ecological Information

Data not yet available.

### Section 13 — Disposal Considerations

Please consult with state and local regulations.  
Flinn Suggested Disposal Method #5 is one option.

### Section 14 — Transport Information

Shipping Name: Aniline hydrochloride  
Hazard Class: 6.1, Keep away from food.  
UN Number: UN1548

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (205-519-8).

### Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) 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. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

**FLINN SCIENTIFIC INC.**

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