

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 75.00

Revision Date: July 8, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Aniline Hydrochloride

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

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Aniline hydrochloride

CAS#: 142-04-1

SECTION 3 — HAZARDS IDENTIFICATION

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

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable but combustible solid.

When heated to decomposition, emits toxic NO_x and Cl fumes.

Fire Fighting Instructions: Use a 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

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Ventilate area. Wipe up the spill, place in a sealed bag or container, and dispose.

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 cool, dry place. Protect from light.

Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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: C₆H₅NH₂ HCl

Formula weight: 129.60

Boiling point: 245 °C

Melting point: 199 - 202 °C

Specific gravity: 1.22

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers. May discolor on exposure to light.

Shelf life: Poor, darkens on exposure to light and air.

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 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: 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

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**