FLINN AT-A-GLANCE

0 is low hazard, 3 is high hazard

Health-2

Flammability-0 Reactivity-1 Exposure-2 Storage-0

#### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# Hydroxylamine 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

Hydroxylamine hydrochloride

#### CAS#: 5470-11-1

## SECTION 3 — HAZARDS IDENTIFICATION

White crystals. Odorless.

Moderately toxic by ingestion. Corrosive to body tissues. Avoid ingestion and all body tissue contact.

#### 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: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES	
Nonflammable solid.	NFPA CODE
Decomposition releases toxic fumes of hydrogen chloride gas, CO, CO <sub>2</sub> , NO <sub>x</sub> , ammonium hydroxide.	None
Undergoes decomposition at room temperature.	established
Fire Fighting Instructions: Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and	
SCBA with full facepiece operated in positive pressure mode.	

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Sweep 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 cool, dry place. 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 a chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

White odorless crystals. Solubility: Soluble in water, glycerol, and alcohol. Formula:  $H_2NOH$  HCl Formula weight: 69.50

# SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers.

Shelf life: Poor. Undergoes rapid decomposition at room temperature and especially in high humidity.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, corrosive. Chronic effects: Possible mutagen. Target organs: Blood, central nervous system. ORL-RAT  $LD_{50}$ : 408 mg/kg IHL-RAT  $LC_{50}$ : N.A. SKN-RBT  $LD_{50}$ : N.A.

Melting point: 151 °C (decomposes)

Specific gravity: 1.67

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 #26a is one option.

#### SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not Regulated Hazard class: N/A UN number: N/A N/A = Not applicable

#### SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (226-798-2), RCRA code D003.

#### SECTION 16 — OTHER INFORMATION

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

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