# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

**MSDS #:** 65.00
**Revision Date:** November 25, 2002

### Section 1 — Chemical Product and Company Identification

## Ammonium Phosphate, Monobasic

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

Ammonium Phosphate, Monobasic
Synonyms: Ammonium Dihydrogen Phosphate
CAS#: 7722-76-1

### Section 3 — Hazards Identification

White or colorless crystals. Odorless.
Irritating to body tissues. Avoid body tissue contact.

**FLINN AT-A-GLANCE**
Health-0
Flammability-0
Reactivity-1
Exposure-1
Storage-0

0 is low hazard, 3 is high hazard

### Section 4 — First Aid Measures

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: Give large quantities of water. Call a physician or poison control at once.

### Section 5 — Fire Fighting Measures

Non flammable solid.
When heated to decomposition, emits toxic fumes of NH3 and NOx.
**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**
None Established

### Section 6 — Accidental Release Measures

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

### Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.
Store in a cool dry place.

### 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.

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## Section 9 — Physical and Chemical Properties

White or colorless crystals. Odorless.
Solubility: Soluble in water.
Formula: NH4H2PO4
Formula Weight: 115.03

Specific Gravity: 1.803
Decomposes above 155 C.

## Section 10 — Stability and Reactivity

Possible violent reaction with magnesium. Long exposure to air causes loss of ammonia (NH3).
Avoid contact with strong oxidizers, NaOCl, and acids. When heated to decomposition, emits toxic fumes of NH3 and NOx.
Shelf life: indefinite

## Section 11 — Toxicological Information

Acute effects: Irritant
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD50: N.A.
IHL-RAT LC50: N.A.
SKN-RBT LD50: N.A.

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 #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 (231-764-5).

## 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.

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