FLINN SCIENTIFIC

Ammonium Phosphate Solution Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Ammonium Phosphate Solution

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-9416

SECTION 2 — HAZARDS IDENTIFICATION

Hazard Class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Ammonium phosphate	7722-76-1	NH ₄ H ₂ PO ₄	115.03	6%
Water	7732-18-5	H ₂ O	18.00	94%

SECTION 4 — FIRST AID MEASURES

Get medical advice or attention (P313). **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 (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313). Take off contaminated clothing and wash before reuse (P362).

If swallowed: Rinse mouth. Give large quantities of water for dilution.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution. In case of fire: Use a tri-class dry chemical fire extinguisher. Pictograms

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain the spill with sand or absorbent material and deposit in a 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, sulfates, thiosulfates and phosphates.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odorless.

pH: ~5

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 NO_x and NH_3 .

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION			
Acute effects: Irritant	ORL-RAT LD ₅₀ : N.A.		
Chronic effects: N.A.	IHL-RAT LC ₅₀ : N.A.		
Target organs: N.A.	SKN-RBT LD ₅₀ : N.A.		

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 #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (231-764-5).

SECTION 16 — OTHER INFORMATION

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

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