

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: Ammonium Polyphosphate
Registration No: None

M14080

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
P.O. Box 70013
Boise, ID 83707
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Ammonium Polyphosphate
Common Name: Ammonium Polyphosphate, 11-37-0
Chemical Type: Inorganic Salt

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
			Non-hazardous		
Ammonium Polyphosphate	68333-79-9	$(\text{NH}_4)_3\text{PO}_4$	57%	Not applicable	Not available
Water	7732-18-5	H_2O	43%		

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: Not generally considered hazardous as all constituents are used as food additives.
Inhalation: Low under normal open air conditions.
Eye Contact: Low eye aggravation potential.
Skin Absorption: Dermal exposure is non-lethal.
Skin Contact: Low skin abrasion potential.
Effects of Overdose: Direct contact with the liquid on open cuts in the skin or contact with the eyes will result in local discomfort.

SECTION 4

FIRST AID MEASURES

Ingestion: If a large amount is ingested, give 2-3 glasses of water and induce vomiting. Call a physician.
Inhalation: Not considered an inhalation hazard under normal open air conditions.
Eyes: Flush eyes immediately and thoroughly with running water for 15 minutes, if condition persists, get medical attention.
Skin: Wash skin with mild soap and water.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: This product is essentially non-flammable and is used commercially as a fire retardant. Use media suitable to extinguish source of fire.
Special Fire Fighting Procedures: Use fire fighting procedures according to type of fire.
Unusual Fire and Explosion Hazards: None

SECTION 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: This product may promote algae growth in waterways. Use and disposal, employing proper environmental control practices, should not cause significant environmental impact.
Steps to be taken in case material is released or spilled:
Contain spills and maximize recovery. Small spills can be absorbed in sand, kitty litter or other absorbent. For large spills, dike area and reclaim liquid. Absorb unreclaimed liquid and wash area with water. Keep out of sewers, drinking water and all waterways.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Avoid using containers, pipes and fittings made of zinc-clad or copper bearing alloys. Storage in open containers may result in formation of an ammonium polyphosphate solid on walls. Avoid contact with skin and eyes.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Good ventilation practice should be exercised.
Respiratory Protection: None required under normal conditions.
Protective Clothing: Clean work clothing and rubber coated gloves. Minimize skin exposure.
Eye Protection: Safety glasses or chemical splash-proof goggles.
Other: Eyewash fountain and safety shower in area.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	Solubility in Water:	Complete
Specific Gravity:	1.43 @ 60°F	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	6.5 - 7	Reaction with Water:	None
Appearance:	Dark green liquid.		
Extinguishing Media:	Non-flammable. Use media suitable to extinguish source of fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	None listed
Incompatibility (Material to Avoid):	Zinc-clad and copper bearing alloys.
Hazardous Decomposition Products:	Ammonia, PO _x and NO _x .
Hazardous Polymerization:	Will not occur

SECTION 11

TOXICOLOGY INFORMATION

Acute Oral Toxicity:	LD ₅₀ (rat) is greater than 2,000 mg/kg (ppm); not acutely toxic by oral exposure. (TFI Product Testing Results, OECD Guideline 425)
Acute Dermal Toxicity:	LD ₅₀ (rat) is greater than 5,000 mg/kg (ppm); not acutely toxic by dermal exposure. (TFI Product Testing Results, OECD Guideline 402).
Acute Aquatic Toxicity:	Fish 96-hour (rainbow trout) LC ₅₀ is greater than 101 mg/L. Non-toxic to aquatic organisms. (TFI Product Testing Results)

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Contain spills and maximize recovery. Disposal of spilled material should be in accordance with applicable federal, state and local environmental regulatory requirements. Use as a fertilizer by applying to soil using good agricultural and soil management.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by D.O.T.	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

Not on the 302 list of SARA reportable quantities.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Not applicable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 8 (no revisions per review)

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