

Section 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor's Name:
Fertilizer Company of Arizona, Inc.
2850 South Peart Road
Casa Grande, AZ 85193-9024

EMERGENCY TELEPHONE NO.:
DAYS: (520) 836.7477
24 Hour Emergency HAZMAT Response: (928) 783.3803

PRODUCT NAME: 10-34-0 Ammonium Polyphosphate Liquid
CHEMICAL NAME: Inorganic Salt
COMMON NAME: Liquid Polyphosphate
EPA REG. NO.: Not applicable

MSDS Revisions: New

Date Of Issue: 05/27/2011

Section 2 COMPOSITION, INFORMATION ON INGREDIENTS
(Note: see product tag or label for specific ingredients)

Chemical Name and Synonyms	CAS No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
Ammonium Polyphosphate	68333-79-9	(NH ₄) ₃ PO ₄	56%	N/A	N/A
Water	7732-18-5	H ₂ O	44%		

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

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.
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.

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: Since this product is a fertilizer, it 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. Use as fertilizer using good agronomic practices.

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.

MATERIAL SAFETY DATA SHEET

10-34-0 AMMONIUM POLYPHOSPHATE LIQUID

Section 9 PHYSICAL AND CHEMICAL PROPERTIES			
Boiling Point:	Not applicable	Solubility in Water:	Complete
Appearance:	Dark green liquid	Reaction with Water:	None
Specific Gravity:	1.40 @ 60° for 10-34-0	Vapor Pressure, mm Hg:	Not applicable
pH:	5.6 to 6.2	% Volatile (by volume):	Not applicable
Flashpoint:	Non-flammable		
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 (Materials to Avoid):	Zinc-clad and copper bearing alloys.		
Hazardous Decomposition Products:	Ammonia, PO _x and NO _x .		
Hazardous Polymerization:	Will not occur		

Section 11 TOXICOLOGICAL 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			
Flash Point (Test Method):	Not applicable	Flammable Limits	LOWER UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A N/A

MSDS STATUS: New 05/27/2011

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