Section 1  CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor’s Name:  Fertilizer Company of Arizona, Inc.
2850 South Pearlt 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)

<table>
<thead>
<tr>
<th>Chemical Name and Synonyms</th>
<th>CAS No.</th>
<th>Chemical Formula</th>
<th>WT%</th>
<th>TLV</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>None listed</td>
<td></td>
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<tr>
<td>Ammonium Polyphosphate</td>
<td>68333-79-9</td>
<td>(NH₄)₃PO₄</td>
<td>56%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>H₂O</td>
<td>44%</td>
<td></td>
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</tr>
</tbody>
</table>

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 unclaimed 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.
Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not applicable
Appearance: Dark green liquid
Specific Gravity: 1.40 @ 60° for 10-34-0
pH: 5.6 to 6.2
Flashpoint: Non-flammable
Extinguishing Media: Non-flammable. Use media suitable to extinguish source of fire.

Solubility in Water: Complete
Reaction with Water: None
Vapor Pressure, mm Hg: Not applicable
% Volatile (by volume): Not applicable

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, PO₃ and NOₓ.
Hazardous Polymerization: Will not occur

Section 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD₅₀ (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: LD₅₀ (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) LC₅₀ 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.
Hazard Class: None
Reportable Quantity (RQ): None
Labels Required: None
Placard: None
C.A.S. Number: See "Ingredients"
D.O.T. Number: None
Haz Waste No: None
EPA Regist No: 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
Autoignition Temperature: Not applicable
Flammable Limits (% BY VOLUME) LOWER UPPER
N/A N/A

MSDS STATUS: New 05/27/2011

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