WINFIELD UNITED

SAFETY DATA SHEET (SDS)

10-34-0

OSHA Haz Com Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

SECTION 1: Identification

1.1. Product identifier

Product Form : Liquid

Product Name: : Ammonium Polyphosphate 10-34-0

1.2. Recommended use / restrictions of use

: Agricultural fertilizer. No restrictions.

1.3. Details of the supplier of the data sheet

: Winfield Solutions, LLC
P.O. Box 64589
St. Paul, MN 55164
Tel 1-855-494-6343 (Non-Emergency)

1.4. Emergency telephone number

Medical emergency number : 1-877-424-7452 (24 hrs)

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

: Skin irritant (H315), eye irritant (H320), respiratory irritant (H335)

2.2. Label elements

Hazard pictograms

GHS07

Signal word : Warning

Hazard statements : H315 – Causes skin irritation
H320 – Causes eye irritation
H335 – May cause respiratory irritation

Precautionary statements : P261 – Avoid breathing gas/mist/vapors
P264 – Wash…thoroughly after handling
P271 – Use only outdoors or in a well-ventilated area
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P304+P340 – If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351 – If in eyes: Rinse cautiously with water for several minutes
P337+P313 – If eye irritation persists: Get medical advice/attention

2.3. Other hazards

: No additional hazards

2.4. Unknown acute toxicity

: No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

: Not applicable

3.2. Mixture

Ingredient name	Product identifier (*CAS No.*)	%
Ammonium Polyphosphate	68333-79-9	50 - 60
Water	7732-18-5	40 - 50

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call Poison Control Center or seek medical attention if you feel unwell.

First-aid measures after skin contact : Wash with water and soap. If irritation persists, seek medical attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses. If irritation persist, seek medical attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call Poison Control Center or seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause slight skin irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

: No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam, dry chemical, carbon dioxide, water spray, sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

: Product is classified as non-flammable. However, ammonia fumes may form from burning.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog to cool exposed containers.

Protection during firefighting : Wear positive pressure, self-contained breathing apparatus. Avoid fume inhalation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Protective equipment : Wear gloves and cover skin. Use respiratory and eye/face protection.

Emergency procedures : Ventilate area and evacuate unnecessary personnel.

6.2. Environmental precautions

: Prevent entry to sewers and public surface waters.

6.3. Methods and material for containment and cleaning up

Clean-up methods : Contain spill and pump into containers. Collect residue with absorbent material. Store all spill materials in suitable containers for recycle/disposal.

6.4. Reference to other sections

: See Section 7 for safe handling information.
See Section 8 for PPE information.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Safe handling precautions	: Avoid contact with skin and eyes. After handling product, remove clothing and launder, and wash hands/exposed skin thoroughly with soap and water. Avoid breathing vapors. Avoid contamination of feed or foodstuffs.
Fire/explosion precautions	: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Storage is suitable in vessels of following materials: high density polyethylene (HDPE), fiberglass, fiberglass reinforced plastic (FRP), stainless steel. Storage vessel must be able to accommodate the product density.
Incompatible materials	: Reactive with strong bases and strong acids.

7.3. Specific end use(s)

: No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ACGIH Threshold Limit Value	: Not established.
OSHA Permissible Exposure Limit	: Not established.

8.2. Exposure controls

Appropriate engineering controls	: No special requirements.
Personal protective equipment	: Hand, skin, eye, respiratory.
Hand protection	: Wear chemical gloves. Glove material: rubber or chemical-resistant.
Eye protection	: Safety goggles or face shield.
Skin and body protection	: Wear long sleeved clothing and other suitable clothing to prevent skin exposure.
Respiratory protection	: Wear appropriate mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid	Evaporation rate	: Not determined
Color	: Clear green	Flammability	: Non-flammable
Odor	: No apparent odor	Flash point	: No data available
Odor threshold	: No data available	Explosive limit (upper)	: No data available
Boiling point	: 100°C / 212°F	Explosive limit (lower)	: No data available
Melting point	: Not applicable	Auto ignition temp.	: No data available
Freezing point	: < -15° F	Decomposition temp.	: No data available
Vapor pressure	: No data available	Partition coefficient	: No data available
Vapor density	: No data available	Viscosity, kinematic	: No data available
pH	: 5.8 – 6.2	Viscosity, dynamic	: No data available
Specific gravity	: 1.397	Octanol/Water Part. Coeff.	: No data available
Density	: 11.65 lbs/gal		
Solubility	: Soluble in water		

9.2. Other information

: No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
: No further relevant information available.

10.2. Chemical stability
: The product is stable under normal ambient conditions.

10.3. Possibility of hazardous reactions
: No further relevant information available.

10.4. Conditions to avoid
: No further relevant information available.

10.5. Incompatible materials
: Strong acids, strong bases.

10.6. Hazardous decomposition products
: Burning may result in formation of ammonia fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Routes of exposure	: Skin contact, eye contact, ingestion, inhalation.
Skin corrosion/irritation	: Causes skin irritation.
Eye damage/irritation	: Causes eye irritation.
Acute toxicity	: ATE US (oral) – 5,625 mg/kg.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
LD50	: Rat (oral) – 5,625 mg/kg. Rabbit (dermal) – 3,160 mg/kg.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after ingestion	: May cause stomach cramps and/or nausea.
NTP *(National Toxicology Program)*	: Substance is not listed.
IARC *(International Agency for Research on Cancer)*	: Substance is not listed.

SECTION 12: Ecological information

12.1. Toxicity
: No testing data available.

12.2. Persistence and degradability
: Aquatic toxicity: will release ammonium ions in water by hydrolysis. Ammonia is toxic to aquatic organisms. Avoid spills/releases to surface waters.

12.3. Bioaccumulative potential
: No data available.

12.4. Mobility in soil
: Non-persistent when applied using normal agricultural practices.

12.5. Other adverse effects
: No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Recycle excess product if at all possible. Avoid sewage and landfill disposal.
Waste containers	: Do not use metal waste containers.

13.2. Reference to other sections

: See Section 8 for exposure control information.

SECTION 14: Transport information

14.1. Transport information

UN-Number	: None
DOT, ADR, ADN, IATA, IMDG	: Non-regulated material
UN proper shipping name	: Not regulated for transportation
Transport hazard class	: Not regulated
Class – DOT, ADR, ADN, IATA, IMDG	: Non-regulated material
Packing group – DOT, ADR, IMDG, IATA	: Non-regulated material
Environmental hazards: Marine pollutant IMDG	: Not classified as a marine pollutant
Transport in bulk according to Annex II of MARPOL 73/78 and IBC code	: Not applicable
Special precautions for user	: None

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA 302 (EHS)	: Product is not listed.
SARA 311-312 (TIER II)	: Applicable.
SARA 313 (TRI)	: Product is not listed.

15.2. International regulations

Canada	: Product is listed on Domestic Substances List.
European Union	: Product is not listed.

15.3. US State regulations

California Proposition 65	: Product is not listed.

SECTION 16: Other information

16.1. Other information

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