

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

Trade Name: Liquid Ammonium Sulfate Solution 35%
Registration No: None

M77610

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator:	J.R. Simplot Company P.O. Box 947 Hampstead, TX 77445	Product Name:	Liquid Ammonium Sulfate Solution 35%
		Common Name:	Liquid Ammonium Sulfate Solution
		Chemical Type:	Inorganic Chemical Fertilizer
Emergency Phone - Chemtrec:	1-800-424-9300		

SECTION 2 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
NONE					
This product is a blend of the following non-hazardous ingredients			Non Hazardous		
			100%	Not Available	Not Available
Ammonium Sulfate	7783-80-02	(NH ₄) ₂ SO ₄	35%		
Water	7732-18-5	H ₂ O	65%		

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

Inhalation: No hazards with normal handling of product.

Eye Contact: No hazards with normal handling of product.

Skin Absorption: Not normally absorbed through the skin.

Skin Contact: No hazards with normal handling of product.

Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention

SECTION 4 FIRST AID MEASURES

Ingestion: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.

Inhalation: Normally not a route of entry. Breathing liquid mist or dust from dried material may result in temporary aggravation to respiratory system. Remove to fresh air. Seek medical attention if condition persists

Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

Skin: Wash with soap and water. Seek medical attention if condition persists.

Notes to Physician: Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use media suitable to extinguish source of fire.

Special Fire Fighting Procedures: None. Use procedure for source of fire.

Unusual Fire and Explosion Hazards: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth

Steps to be taken in case material is released or spilled: Spilled solution can be slippery. Contain spill. Absorb in sand, kitty litter or other suitable absorbent. Sweep up and scoop into a suitable container for use or disposal. Could be used as a fertilizer using good agronomic practices.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation

Respiratory Protection: Approved respirator when necessary

Protective Clothing: Normal clean work clothing and impermeable gloves.

Eye Protection: Safety glasses with side shields; chemical goggles and/or face shield when necessary.

Other: Eyewash fountain in area

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	Solubility in Water:	Not available
Density:	10.25 lbs/gallon	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	2.7	Reaction with Water:	None
Appearance:	Clear liquid	Specific Gravity:	1.230
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	Extremely high temperatures..
Incompatibility (Material to Avoid):	Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals
Hazardous Decomposition Products:	During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH ₃ , SO _x ,
Hazardous Polymerization:	Will not occur

SECTION 11

TOXICOLOGY

Acute Oral Toxicity:	LD ₅₀ (rat) is 640-4,250 mg/kg for ammonium sulfate; not acutely toxic by oral exposure. (TFI Product Testing Results, OECD Guideline 425)
Acute Dermal Toxicity:	LD ₅₀ (rat) is greater than 2,000 mg/kg (ppm) for ammonium sulfate; not acutely toxic by dermal exposure. (TFI Product Testing Results, OECD Guideline 402).
Acute Aquatic Toxicity:	Fish 96-hour LC ₅₀ is greater than 13.6-159.8 mg total NH ₃ /L; daphnia 96-hour LC ₅₀ : greater than 27 mg total NH ₃ /L for ammonium sulfate. Slightly-toxic to aquatic organisms. (TFI Product Testing Results)

All toxicity data from TFI Product Testing Results.

SECTION 12

ECOLOGICAL INFORMATION

None Listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures:	Absorb and if uncontaminated, use as a fertilizer by applying to soil using good agricultural practices and soil management and according to label instructions Disposal of material should be in accordance with applicable local, state and federal environmental regulatory requirements. Could be used as a fertilizer using good agronomic practices
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SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	C.A.S. Number:	57-13-6
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)
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Not on the 302 list of SARA reportable quantities

SECTION 16

OTHER INFORMATION

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

MSDS Version Number: 1

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