

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: Simplot Ammonium Sulfate 21-0-0 +24(S)
 Registration No: None

M11070

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
 P.O. Box 70013
 Boise, ID 83707
 (208) 336-2110
 Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Simplot Ammonium Sulfate
Common Name: Simplot Ammonium Sulfate 21-0-0 +24(S)
Chemical Type: Salt
Recommended use/Restrictions: Plant nutrient/Industrial use: Refer to product label for use/restrictions

SECTION 2 HAZARD IDENTIFICATION

GHS Classification: Acute Toxicity, Oral: __4__: Acute Toxicity, Dermal: __5__: Skin Irritation: __3__: Eye Effects: __2B__

Pictogram(s):



Signal Word: WARNING
Hazard Statement: Harmful if swallowed. May be harmful in contact with skin. Causes mild skin irritation. Causes eye irritation.
Precautionary Statement(s): Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves, clothing, eye, and face protection. If swallowed: rinse mouth and call a poison control center or doctor if you feel unwell. If on skin wash with plenty of water and call doctor if you feel unwell. If skin irritation occurs get medical advice/attention. Specific treatment (see on label). If in eyes rinse cautiously with water for several minutes. If eye irritation persists remove contact lenses, if present and easy to do. Continue to rinse.
Other Hazard(s): Nuisance Dust

SECTION 3 COMPOSITION INFORMATION

This product contains a homogenous blend of the following ingredients:

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%
Ammonium Sulfate	7783-20-2	(NH ₄) ₂ SO ₄	90-99.96%
Anti-caking agent	N/A	N/A	.04-10%

*Ingredients without WT% are considered proprietary based on trade secrets

SECTION 4 FIRST AID MEASURES

Ingestion: Small doses may cause mild discomfort. If ingested in large amount, give 2-3 glasses of water and induce vomiting. Call a doctor.
Inhalation: Slight discomfort possible--causes readily reversible changes which disappear after end of exposure. Dust may cause further aggravation to those predisposed to respiratory problems. 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: Product is not combustible and is used in a solution as a fire retardant.
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

Personal Protection Precautions, Equipment and Emergency Procedures: Wash hands after handling. Wear eye, clothing, and face protection. Rinse thoroughly with water for 15 minutes and get medical attention if irritation continues.
Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.
Clean up methods: Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

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

Chemical Name and Synonyms	TLV	PEL
Ammonium Sulfate Anti-caking agent	10mg/m ³ Nuisance Dust	15 mg/m ³ Nuisance Dust

Engineering controls: Use process enclosures, general dilution ventilation or local exhaust systems where necessary to maintain fugitive dust emissions below OSHA standards or in accordance with applicable regulations
Ventilation Protection: Adequate ventilation.
Respiratory Protection: Approved dust respirator when necessary.
Protective Clothing: Protective clothing.
Eye Protection: In dusty conditions, safety glasses with side shields or goggles may be necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not listed	Solubility in Water:	70g/100g H ₂ O cold, 100g/100g H ₂ O hot
Density:	66-69 lbs/ft ³	% Volatiles (by volume):	0
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Nil
Flammability:	Non-flammable	Partition Coefficient:	Not listed
Upper/Lower Flammability or Explosive limit:	Not applicable	Odor:	Not listed
Autoignition Temperature:	Not applicable	Odor Threshold:	Not listed
Decomposition Temperature:	455 F	Melting Point:	Not listed
pH:	10 g/90 g H ₂ O: 5.5 - 6.0	Reaction with Water:	None
Appearance:	White or off-white crystals.	Evaporation:	Not listed
Vapor Density:	Not listed	Relative Density:	Not listed

Trade Name: Simplot Ammonium Sulfate 21-0-0 +24(S)
Registration No: None

M11070

SECTION 10

STABILITY AND REACTIVITY

Chemical Stability (Normal Conditions): Stable
Reactivity (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 NH₃, SO_x, PO_x or CN.
Hazardous Polymerization: Will not occur

SECTION 11

TOXICOLOGY INFORMATION

	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rat)</u>	<u>Inhalation (rat)</u>
Ammonium Sulfate	640-4,250 mg/kg	> 2,000 mg/kg	

Symptoms: Related to Physical, chemical, and toxicology characteristics.
Delayed, immediate, and chronic effects (short and long term exposure):
Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

SECTION 12

ECOLOGICAL INFORMATION

Keep away from bodies of water.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural practices and soil management.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	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

TSCA: Yes () No (X) , SARA: Yes () No (X) , Prop 65: Yes () No (X) , CERCLA: Yes () No (X)
Not on the 302 list of SARA reportable quantities.

SECTION 16

OTHER INFORMATION

MSDS Version Number: 9 (Revision GHS Format 04/01/14)

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. **NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED.** It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.