

# 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 <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	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 NH<sub>3</sub>, SO<sub>x</sub>.

#### 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 <sup>3</sup> Nuisance Dust	15 mg/m <sup>3</sup> 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

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

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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 NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> 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)

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