

# Material Safety Data Sheet

J. R. Simplot Company

M&C Group

Trade Name: 16-20-0 Mono-Ammonium Phosphate Sulfate  
Registration No: None

M14060

<b>Section 1</b>	<b>Chemical Product and Company Information</b>
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<b>Manufacturer or Formulator:</b>	J.R. Simplot Company P.O. Box 912 Pocatello, ID 83204	<b>Product Name:</b>	16-20-0 Mono-Ammonium Phosphate Sulfate
<b>Emergency Phone - Chemtrec:</b>	1-800-424-9300	<b>Common Name:</b>	16-20-0
		<b>Chemical Type:</b>	Inorganic Chemical Fertilizer

<b>Section 2</b>	<b>Composition Information</b>
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Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
This is a homogeneous granular product containing:			<b>Non-Hazardous</b>		
Ammonium Phosphate	7722-76-1	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>	100	10 mg/M <sup>3</sup> - Nuisance Dust	Not available
Ammonium Sulfate	7783-20-2	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>			

<b>Section 3</b>	<b>Hazards Identification</b>
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**Ingestion:** Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

**Inhalation:** Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.

**Eye Contact:** Dust from this product may cause particulate discomfort to eyes.

**Skin Absorption:** Not normally absorbed through the skin.

**Skin Contact:** Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.

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

<b>Section 4</b>	<b>First Aid Measures</b>
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**Ingestion:** If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.

**Inhalation:** 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.

<b>Section 5</b>	<b>Fire Fighting Measures</b>
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**Extinguishing Media:** Use media suitable to extinguish source of fire.

**Special Fire Fighting Procedures:** Product is not combustible.

**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>, PO<sub>x</sub> or CN.

<b>Section 6</b>	<b>Accidental Release Measures</b>
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**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:**  
Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

<b>Section 7</b>	<b>Handling and Storage</b>
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**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.

<b>Section 8</b>	<b>Exposure Controls/Personal Protection</b>
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**Ventilation Protection:** Adequate ventilation.

**Respiratory Protection:** Approved dust respirator when necessary.

**Protective Clothing:** Normal clean work clothing.

**Eye Protection:** In dusty conditions, safety glasses with side shields or goggles may be necessary.

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<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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Boiling Point:	Not applicable	Solubility in Water:	Complete
Density:	62-63 lbs/ft <sup>3</sup>	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	10 g/100 g H <sub>2</sub> O: 4.5-5.5	Reaction with Water:	None
Appearance:	Gray granules.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

<b>Section 10</b>	<b>Stability and Reactivity</b>
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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 <sub>3</sub> , SO <sub>x</sub> , PO <sub>x</sub> or CN.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not applicable

<b>Section 11</b>	<b>Toxicology Information</b>
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Ingestion: Oral toxicity (rat) LD<sub>50</sub>: 3000 mg/kg for Ammonium Sulfate.

<b>Section 12</b>	<b>Ecological Information</b>
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None listed.

<b>Section 13</b>	<b>Disposal Considerations</b>
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Waste Disposal Procedures: Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural and soil management.

<b>Section 14</b>	<b>Transport Information</b>
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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		

<b>Section 15</b>	<b>Regulatory Information</b>
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Carcinogenicity:  
by IARC?: Yes ( ) No (X)      by NTP?: Yes ( ) No (X)      by CAL/OSHA?: Yes ( ) No (X)

California Prop 65:  
Yes ( ) No (X)

Not on the 302 list of SARA reportable quantities.

<b>Section 16</b>	<b>Other Information</b>
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Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 2

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