

# Material Safety Data Sheet

J. R. Simplot Company

M&C Group

Trade Name: 6-20-20 XB, 6-20-20S + 1.5% Fe & 1.5% Zn  
Registration No: None

M74022XB

<b>Section 1</b>	<b>Chemical Product and Company Information</b>
------------------	---

<b>Manufacturer or Formulator:</b> J.R. Simplot Company P.O. Box 912 Pocatello, ID 83204	<b>Product Name:</b> 6-20-20 XB, 6-20-20S + 1.5% Fe & 1.5% Zn <b>Common Name:</b> 6-20-20 <b>Chemical Type:</b> Inorganic Chemical Fertilizer
<b>Emergency Phone - Chemtrec:</b> 1-800-424-9300	

<b>Section 2</b>	<b>Composition Information</b>
------------------	--------------------------------

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
			<b>Non-Hazardous</b>		
Ammonium Phosphate	7722-76-1	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>	21.5		Not available
Di-Ammonium Phosphate	7783-28-0	(NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	16.0		
Potassium Sulfate	7778-80-5	K <sub>2</sub> SO <sub>4</sub>	19.1		
Potassium Chloride	7447-40-7	KCl	16.5		
Ammonium Sulfate	7783-20-2	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	8.4		
Ferrous Oxide	1309-37-1	Fe <sub>2</sub> O <sub>3</sub>	4.5	5 mg/M <sup>3</sup>	
Zinc Oxide	1314-13-2	ZnO	3.0	10 mg/M <sup>3</sup>	
Inert ingredients			10.0		

<b>Section 3</b>	<b>Hazards Identification</b>
------------------	-------------------------------

**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>
------------------	---------------------------

**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>
------------------	-------------------------------

**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>
------------------	------------------------------------

**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>
------------------	-----------------------------

**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>
------------------	--

**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.

Trade Name: 6-20-20 XB, 6-20-20S + 1.5% Fe & 1.5% Zn  
Registration No: None

M74022XB

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
------------------	---

Boiling Point:	Not applicable	Solubility in Water:	Approx. 60 gm/100 gm
Density:	69 lbs/ft <sup>3</sup>	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	Not listed	Reaction with Water:	None
Appearance:	Dark gray granules.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

<b>Section 10</b>	<b>Stability and Reactivity</b>
-------------------	---------------------------------

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>
-------------------	-------------------------------

Ingestion: Acute Oral Toxicity (rat) LD<sub>50</sub>: 3000 mg/kg for Ammonium Sulfate. Acute Oral Toxicity (rat) LD<sub>50</sub>: 2600 mg/kg for Potassium Chloride. Acute Oral Toxicity (rat) LD<sub>50</sub>: 6600 mg/kg for Potassium Sulfate.

<b>Section 12</b>	<b>Ecological Information</b>
-------------------	-------------------------------

None listed.

<b>Section 13</b>	<b>Disposal Considerations</b>
-------------------	--------------------------------

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>
-------------------	------------------------------

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>
-------------------	-------------------------------

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>
-------------------	--------------------------

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

MSDS Version Number: 2

**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 themselves as to the suitability and completeness of such information for their 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.

Reviewed by: The Department of Regulatory Affairs  
April 1995 (208) 238-2700