

Material Safety Data Sheet
J. R. Simplot Company
M&C Group

Trade Name: Super Iron Plant Food 9-9-9
Registration No: None

M74099

Section 1	Chemical Product and Company Information
------------------	---

Manufacturer or Formulator:	J.R. Simplot Company P.O. Box 912 Pocatello, ID 83204	Product Name:	Super Iron Plant Food 9-9-9
Emergency Phone - Chemtrec:	1-800-424-9300	Common Name:	9-9-9
		Chemical Type:	Micronutrient

Section 2	Composition/Information on Ingredients
------------------	---

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None			Non-Hazardous		
12-12-12			75		Not available
Ammonium Phosphate-Sulfate	12593-60-1	(NH ₄) ₂ H ₃ PO ₄			
Potassium Sulfate	7778-80-5	K ₂ SO ₄		10 mg/M ³ - Nuisance Dust	
Ammonium Sulfate and other non-hazardous ingredients	7783-20-2	(NH ₄) ₂ SO ₄			
45% Iron Granular	7439-89-6	Fe	25		

Section 3	Hazards Identification
------------------	-------------------------------

Ingestion: Minimal hazard under normal use. Ingestion of large doses may cause gastrointestinal discomfort, purging, blood pressure effects, and other systematic effects.

Inhalation: Excess dust may cause respiratory discomfort. Possible chronic toxic effects may result from long term inhalation of dust.

Eye Contact: Dust from product may cause a moderate to severe discomfort to eyes.

Skin Absorption: Not listed

Skin Contact: Prolonged exposure may cause slight to mild skin abrasion especially around cuffs and collars.

Effects of Overdose: Not listed

Section 4	First Aid Measures
------------------	---------------------------

Ingestion: If ingested, give large quantities of water and induce vomiting. Call a doctor.

Inhalation: Remove to fresh air. Seek medical attention if condition persists.

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

Skin: Wash with soap and water. If condition persists, consult a physician.

Section 5	Fire Fighting Measures
------------------	-------------------------------

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

Special Fire Fighting Procedures: Approach fire from upwind. Wear self-contained breathing apparatus in enclosed areas. Use water spray to cool fire exposed surfaces and to knock down hazardous fumes.

Unusual Fire and Explosion Hazards: When heated to decomposition, may emit hazardous fumes of SO_x and ZnO.

Section 6	Accidental Release Measures
------------------	------------------------------------

Environmental Precautions: Do not contaminate any body of water by direct application, cleaning of equipment or disposal. It may promote algae growth in waterways.

Steps to be taken in case material is released or spilled:
Keep out of sewers and waterways. Can be used as a fertilizer by applying to soil using good agricultural and soil management.

Section 7	Handling and Storage
------------------	-----------------------------

Precautions to be taken in handling and storing:
Store in dry area. Mildly corrosive to copper, brass, alloys and metals. Keep out of reach of children.

Section 8	Exposure Controls/Personal Protection
------------------	--

Ventilation Protection: Adequate ventilation to control dust.

Respiratory Protection: In dusty conditions, wear an approved dust mask.

Protective Clothing: Gloves as needed.

Eye Protection: Safety glasses or goggles.

Trade Name: Super Iron Plant Food 9-9-9
Registration No: None

M74099

Section 9	Physical and Chemical Properties
-----------	----------------------------------

Boiling Point:	Not applicable	Solubility in Water:	Soluble
Density:	69 lbs/ft ³	% Volatiles (by volume):	0
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	Not listed	Reaction with Water:	None
Appearance:	Granular, gray color.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

Section 10	Stability and Reactivity
------------	--------------------------

Stability (Normal Conditions):	Stable
Conditions to Avoid:	Not applicable
Incompatibility (Material to Avoid):	None known.
Hazardous Decomposition Products:	When heated to decomposition, may emit hazardous fumes of SO _x and ZnO.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not applicable

Section 11	Toxicology Information
------------	------------------------

Ingestion: Acute Oral Toxicity (rat) LD₅₀: 3000 mg/kg for Ammonium Sulfate; (rat) LD₅₀: 6600 mg/kg for Potassium Sulfate.

Section 12	Ecological Information
------------	------------------------

None listed.

Section 13	Disposal Considerations
------------	-------------------------

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

Section 14	Transport Information
------------	-----------------------

Shipping name:	Not regulated by D.O.T.	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
------------	------------------------

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.

Section 16	Other Information
------------	-------------------

Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not combustible	(% BY VOLUME)	N/A	N/A
Hazard Rating (N.F.P.A.):	Non-fire: Health: 1 Fire: 0	Reactivity: 0 Specific: Not applicable		
	Fire: Health: 1 Fire: 0	Reactivity: 0 Specific: Not applicable		

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.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 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.

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