

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

M77024

Trade Name: Che-Iron 4.5%
Registration No: None

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For: J.R. Simplot Company
PO Box 70013
Boise, ID 83707
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Che-Iron 4.5%
Common Name: Chelated Iron
Chemical Type: Mineral

SECTION 2 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
			Non-Hazardous		
Water	7732-18-5	H ₂ O	50%	Not listed	Not listed
Iron Sodium HEDTA	16485-47-5	Not listed	29%	Not listed	Not listed
Sodium Nitrate	7631-99-4	Not listed	20%	Not listed	Not listed
Trisodium Nitrotriacetate	5064-31-3	Not listed	1%	Not listed	Not listed

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: Ingestion hazard is minimal. Oral LD50 (rat) is not greater than 3900 mg/kg.
Inhalation: Product is not expected to generate vapors or present an inhalation hazard unless specific use generates an aerosol mist of involves heating product to decomposition.
Eye Contact: Direct liquid contact with eyes may cause some pain or slight discomfort.
Skin Absorption: Based on pH, product is not expected to be a skin aggravant.
Skin Contact: Based on pH, product is not expected to be a skin aggravant.
Effects of Overdose: None listed.

SECTION 4 FIRST AID MEASURES

Ingestion: Call a physician immediately if significant amounts have been swallowed. Give large amounts of water or milk to drink for dilution effect. Do not induce vomiting.
Inhalation: Inhalation exposure not expected unless specific use generates a localized mist. If adverse symptoms are experienced, move the victim to fresh air. If breathing is difficult, administer oxygen. See a physician.
Eyes: Flush eyes immediately with large amounts of water for at least 15 minutes. Call a physician if eyes are aggravated.
Skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin shows signs of aggravation.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Does not burn.
Special Fire Fighting Procedures: Wear positive-pressure, self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
Prevent product from entering drinking water supplies or streams. Collect liquid or solidify liquid with absorbent material and package for disposal according to local, state and federal regulations.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Do not store in contact with steel, aluminum, zinc, copper or their alloys.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: General industrial requirements.
Respiratory Protection: Not normally needed. If specific use generates a mist or respiratory aggravation, use an appropriate respirator to eliminate exposure.
Protective Clothing: Wear impervious clothes and gloves.
Eye Protection: Chemical safety goggles with side shields or face shields to prevent eye contact. As a general rule, do not wear contact lenses when handling chemicals.
Other: None listed.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	About 220°F/106°C	Solubility in Water:	Completely miscible
Specific Gravity:	1.30 - 1.47	% Volatiles (by weight):	About 50% as water
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Same as water
pH of 1% Solution:	About 5 to 7.	Evaporation Rate:	Same as water
Appearance:	Clear red-brown liquid; slight ammonia odor.	Vapor Density:	Same as water
Reaction with Water:	Not listed.		
Extinguishing Media:	Does not burn.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable.
Conditions to Avoid: Avoid evaporation to dryness.
Incompatibility (Material to Avoid): Contact with steel, aluminum or zinc metal may react to release hydrogen.
Hazardous Decomposition Products: Boiling liquid may release nitrogen dioxide. Heating or burning dried product may release ammonia or nitrogen dioxide.
Hazardous Polymerization: Will not occur

SECTION 11

TOXICOLOGY INFORMATION

None listed.

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: This product as sold within its pH specifications is not a hazardous waste according to EPA regulation 40 CFR 261. Dispose of in accordance with state and local regulations.

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

Carcinogenicity: by IARC?: Yes () No (X) **by NTP?:** Yes () No (X)

SARA Classifications: Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard

Not on the SARA 302 list of reportable quantities.

SECTION 16

OTHER INFORMATION

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

MSDS Version Number: 4

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