Material Safety Data Sheet J. R. Simplot Company **AgriBusiness**

M22659 Six Iron Plus® with 3% Mn Trade Name:

Registration No: None

> CHEMICAL PRODUCT AND COMPANY INFORMATION **SECTION 1**

Six Iron Plus® with 3% Mn Manufactured For: J.R. Simplot Company **Product Name:**

12-0-0 with 3% Mn P.O. Box 70013 Common Name: Chemical Type: Inorganic Chemical Fertilizer

Boise, ID 83707 **Emergency Phone - Chemtrec:** 1-800-424-9300

> **COMPOSITION INFORMATION SECTION 2**

WT% TLV PFI **Chemical Name and Synonyms** C.A.S. No. **Chemical Formula Hazardous**

1 mg/m³ TWA Ferrous Sulfate Heptahydrate FeSO₄7(H₂O) 7782-63-0 <50 not available

(Iron salts, soluble, as Fe) Citric Acid 77-92-9 $C_6H_8O_7$ <20 not established not available

Non-Hazardous Manganese Sulfate 7785-87-7 MnSO₄ 0.2 mg/m³ Mn Compounds 5 mg/m³ Mn Compounds

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort,

vomiting, weakness or other medically related problems. May cause aggravation of mucous membranes if swallowed.

Inhalation: Prolonged inhalation of vapors may result in respiratory aggravation.

Eye Contact: Contact will cause discomfort to eyes.

Skin Contact: Contact with skin may cause discomfort and itching.

Effects of Overdose: Seek medical attention.

> **SECTION 4 FIRST AID MEASURES**

DO NOT INDUCE VOMITING. Give plenty of water or milk. Seek immediate medical attention. Do not give anything by Ingestion:

mouth to an unconscious person.

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

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

Wash with soap and water. Seek medical attention if condition persists. Skin:

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, including water, foam, dry powder and carbon dioxide. Special Fire Fighting Procedures: Wear approved positive-pressure, self-contained breathing apparatus. Foam system is preferred because

uncontrolled water can spread possible contamination. Prevent run-off from entering drains, sewers or bodies

of water.

Unusual Fire and Explosion Hazards: During extremely high temperature fire conditions, this product may decompose to release NH₃, SO_x, PO_x or

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers.

Steps to be taken in case material is released or spilled:

Absorb spilled material with an inert material. Sweep, vacuum or shovel material into a container for reuse or disposal. Do not allow product to contaminate drains, sewers, ditches or bodies of water. Prevent large quantities from contacting

vegetation. Wood and cement may become stained. Wash with clear water before drying to prevent staining.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing:

Store in a cool, dry area in temperatures below 100°F (38°C). Avoid contact with eyes, skin, and clothing. Do not swallow. Keep lid tightly closed when not in use. Prevent spillage and separate from strong oxidizers, other pesticides, seed, feed, and foodstuffs. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation.

Respiratory Protection: Approved respirator when necessary.

Protective Clothing: Normal clean work clothing; impervious gloves and boots. **Eye Protection:** Safety glasses with side shields or goggles may be necessary. Trade Name: Six Iron Plus® with 3% Mn M22659

Registration No: None

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:250°Solubility in Water:MiscibleVapor Density:>1% Volatiles (by volume):Not applicableFlashpoint:Non-flammableVapor Pressure, mm Hg:<17 @ 25°C</td>

pH: 3.0 – 3.5 Reaction with Water: None Appearance: Clear green liquid with bland odor. Specific Gravity: 1.38 (11.5 lbs/gal)

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

SECTION 10 STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable

Conditions to Avoid: Extremely high temperatures. Incompatibility (Material to Avoid): Strong bases may ruin this product.

Hazardous Decomposition Products: During extremely high temperature fire conditions, the product may reach melting point and decompose to

release NH₃, SO_x, PO_x or CN.

Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGY INFORMATION

SECTION 12 ECOLOGICAL INFORMATION

None listed.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Dispose of small amounts with inert resorbent materials and dispose of according to regulations by applying to soil

using good agricultural practices and soil management.

SECTION 14 TRANSPORT INFORMATION

Shipping name: Not regulated by DOT

Hazard Class: None C.A.S. Number: See "Ingredients"

Reportable Quantity (RQ):NoneD.O.T. Number:NoneLabels Required:NoneHaz Waste No:NonePlacard:NoneEPA Regist No:None

SECTION 15 REGULATORY INFORMATION

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

Not on the 302 list of SARA reportable quantities.

This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, requires notification of potential exposure to substances identified by the State of California as causing cancer, birth defects or other reproductive harm.

SECTION 16 OTHER INFORMATION

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

NFPA Rating Health: 1 Fire: 0 Reactivity: 0 Specific Hazards: NA

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.

MSDS Version Number: 1

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Reviewed by: The Environmental Health & Safety Department
March 2010 (208) 672-2700