



## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** Inject-A-Min® Manganese  
**Synonym:** None  
**Product Use:** Plant fertilizer for tree injection only  
**Product Type:** Liquid  
**Company Name:** J. J. MAUGET COMPANY  
**Company Address:** 129 Growth Center Dr NE #A  
Floyd, VA 24091  
**Tel:** 626-444-1057  
**Emergency Contact:** INFOTRAC 1-800-535-5053  
911

### 2. HAZARDS IDENTIFICATION



**Classification:**

Eye Irritation: GHS Category 2B  
Skin Corrosion/Irritation (Acute): GHS Category 3  
Oral Toxicity (Acute): GHS Category 4

**Signal Word**

WARNING

**Hazard Statements:**

H302 – Harmful if swallowed.  
H316 – Causes mild skin irritation.  
H320 – Causes eye irritation.

**Precautionary Statements - Prevention:**

P301+P317 - IF SWALLOWED: Get medical help  
P330 – Rinse mouth  
P264 – Wash hands thoroughly after handling  
P270 – Do not eat, drink, or smoke when using this product

**Precautionary Statements - Response:**

P332+P337+P317 – If skin irritation occurs or eye irritation persists: Get medical help  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Precautionary Statements - Disposal:**

P501 - Dispose of contents/container in accordance with local, state, and federal regulations

**Emergency Overview**

May cause irritation to the eyes and skin. May be harmful if swallowed or absorbed through the skin.

**HMIS Rating:**

Health – 1 Flammability – 0 Physical Hazard – 0 PPE – User supplied  
NOTE: HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Wt. %
Solute*	8.36
Water	91.64
	100.00

\* Derived from Ammonium, Potassium, Iron, Zinc, Magnesium and Manganese Sulfates and Zinc and Cupric Nitrates.

*Component	Wt. %
Total Nitrogen (N)	1.00
0.25 Wt. % Ammoniacal Nitrogen	
0.75 Wt. % Nitrate Nitrogen	
Soluble Potash (K <sub>2</sub> O)	1.00
Sulfur	3.00
Copper (Cu)	0.13
Iron (Fe)	2.50
Manganese (Mn)	1.00
Magnesium (Mg)	0.12
Zinc (Zn)	1.65
Molybdenum (Mo)	0.001

#### **4. FIRST AID MEASURES**

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person rinse mouth with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

**EYE CONTACT:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

#### **5. FIRE FIGHTING MEASURES**

This is not a flammable material.

**Flash Point:** Not available

**Auto-ignition Temperature:** Not available

**Flammability Limits:** Not available

**Special Fire Fighting Procedures:** As in any fire, fire-fighters should wear approved self-contained breathing apparatus and full protective gear. Suitable for most extinguishing media.

**Hazardous Decomposition Materials (Under Fire Conditions):** Non-determined.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected material should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand, or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Pump any free liquid into an appropriate closed container. Collect washings for disposal. Decontaminate tools and equipment following cleanup. See Section 13.

**Other Information:** Large spills may be reportable to the state and/or local regulatory agencies.

#### **7. HANDLING AND STORAGE**

**Handling:** Avoid contact with eyes, skin or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Storage:** This product should be stored in its original container under cover in a cool, dry place out of reach of children and out of direct sunlight. Do not expose product to freezing temperatures or excessive heat. Keep out of reach of children.

#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles or shielded safety glasses.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical resistant gloves.

**Respiratory Protection:** Not applicable.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Green liquid
Odor	Slight odor
pH	Not available
Melting point/freezing point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability	Not available
Explosive limits	Not available
Vapor pressure	Same as water
Vapor density	Not available
Relative density	1.056 g/cc
Solubility	Soluble
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Non-explosive
Oxidizing properties	Not available

## **10. STABILITY AND REACTIVITY**

Stability (Normal Conditions):	Stable
Incompatibility (Materials to Avoid):	Reducing agents, strong bases, and strong acids
Hazardous Decomposition Products:	Not determined
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known

## **11. TOXICOLOGICAL INFORMATION**

### **Information on toxicological effects**

Acute toxicity: Not available

Irritation: Components of this product are known to be irritating to the eye, respiratory tract, and skin.

Corrosivity: Not available

Sensitization: Not available

Dose toxicity: Not available

Carcinogenicity: Not available

Mutagenicity: Not available

Reproductive toxicity: Not available

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Not available

### **Persistence and degradability**

Not available

### **Bioaccumulative potential**

Not available

### **Mobility in soil**

Not available

## **13. DISPOSAL CONSIDERATIONS**

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR Part 261. For disposal of wastes generated during use or if the material as supplied becomes a waste, dispose as directed on the label. Do not reuse container.

Observe all federal, state, and local laws concerning health and environment.

## **14. TRANSPORT INFORMATION**

**UN number:** Not available

**UN proper shipping name:** Not available

**Transport hazard class(es):** Not available

**Packing group:** Not available

**Environmental hazards:** Not available

**Special precautions for user:** Not available

For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation (DOT) Emergency Response Guidebook for Hazardous Materials Incidents.

## **15. REGULATORY INFORMATION**

OSHA: This product is considered hazardous under the criteria of the OSHA Hazard Communication Standard 29 CFR Part 1910.1200.

CERCLA: Ferrous sulphate (CAS No. 7782-63-0) is listed as a CERCLA Hazardous Substance (40 CFR 302.4).

RCRA: It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

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California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986.

This product contains no chemicals known to the State of California to cause cancer.

This product contains no chemical, known to the State of California to cause birth defects or other reproductive harm.

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SARA TITLE III HAZARD CATEGORY: For reporting under Section 313

This product contains Zinc compounds (Chemical Category N982), Nitrate compounds (Chemical Category N511), and Manganese Compounds (Chemical Category N450).

## **16. OTHER INFORMATION**

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