



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Stemix® Plus
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. Maybe 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*	4.12
Water	95.88
	100.00

*Solute is a mixture of Diammonium Phosphate (CASN 7783-28-0), Potassium Nitrate (CASN 7757-79-1) and chelated micronutrients consisting of Iron EDTA, Calcium EDTA, Copper EDTA, Magnesium EDTA, Manganese EDTA, and Zinc EDTA.

*Component	Wt. %
Total Nitrogen (N)	1.00
0.71 Wt. % Ammoniacal Nitrogen	
0.29 Wt. % Nitrate Nitrogen	
Available Phosphate (P2O5)	1.00
Soluble Potash (K2O)	1.00
Calcium (Ca)	0.18
Copper (Cu)	0.08
Iron (Fe)	0.27
Magnesium (Mg)	0.09
Manganese (Mn)	0.08
Zinc (Zn)	0.29

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.

Most important symptoms and effects

Symptoms Irritating to eyes, skin, and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

NOTE TO PHYSICIAN: There is no specific antidote available. Treat patient symptomatically.

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

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: Reportable Quantity not applicable.

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.

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.

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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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.