

MATERIAL SAFETY DATA SHEET

MAXI S-P

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Issue Date: 6/03

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MAXI S-P

Common Name: Liquid nutrient.

Chemical Description: Liquid fertilizer mixture.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured For

Monterey Chemical Company

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES: (559) 431-7390

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Odorless, light brown liquid. Avoid contact with strong alkaline materials. Mildly corrosive to common metals. Exposure to high temperatures may result in oxides of sulfur and zinc. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 1 FLAMMABILITY: 0 ENVIRONMENT: 1
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

Eyes: Immediately flush with water for at least 15 minutes. Do not rub eyes. Seek medical attention if irritation persists.

Skin: Wash thoroughly with water. Seek medical attention if irritation persists.

Ingestion: If conscious and alert, drink 2 glasses of water or milk to dilute. Follow with milk of magnesia, beaten eggs or vegetable oil. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

Note to Physician: Contains citric acid (6.8%). Ingestion of more than 0.5 ml. of product per kg. body weight may result in iron toxicity.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	Not pertinent.
Test Method:	Not pertinent.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	As appropriate for surrounding fire.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal. Alternatively, neutralize with dilute alkaline solution (baking soda, soda ash, or lime) and wash down sewer if Federal, State and local regulations permit.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40 and below 105°F. Do not store near food or feeds or strong alkalies. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Harmful if swallowed. Causes eye and skin irritation. In case of contact, immediately flush eyes or skin with plenty of water.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious clothes and acid-resistant gloves (such as rubber or neoprene).
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9.	PHYSICAL AND CHEMICAL DATA
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Appearance:	Light brown liquid.
Odor:	None.
pH:	3.9
Vapor Pressure:	Not known.
Vapor Density (Air = 1):	Not known.
Boiling Point:	100°C (212°F).
Freezing Point:	Not known.
Water Solubility:	Approx. 98%.
Density:	9.4 lbs./gal.
Evaporation Rate:	Not known.
Viscosity:	Not known.
% Volatile:	Not known.
Octanol/Water Partition Coefficient:	Not known.
Saturated Vapor Concentration:	Not known.

SECTION 10.	STABILITY AND REACTIVITY
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Stability:	Stable.
Conditions To Avoid / Incompatibility:	Avoid contact with strong alkaline material such as caustic potash (potassium hydroxide) and caustic soda (sodium hydroxide). Mildly corrosive to common metals.
Hazardous Decomposition Products:	Oxides of sulfur and zinc.
Hazardous Polymerization:	Will not occur.

SECTION 11.	POTENTIAL HEALTH EFFECTS
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Acute Effects:

Eyes:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	May result in nausea, vomiting, diarrhea, blood in vomitus and stools, burning pain in mouth and throat, abdominal pain, lethargy, confusion, edema, leukocytosis, hyperglycemia, acidosis, shock, liver and kidney damage, and other gastrointestinal and neurological symptoms and damage. Ingestion by a child of more than 60 ml. (2 oz.) or by an adult of more than 150 ml. (5 oz.) may be fatal.
Inhalation:	May cause respiratory tract irritation, nausea, vomiting, weakness, fever, chills and loss of appetite. Chronic exposure may cause pneumonia, liver damage and neurological damage.

Medical ConditionsAggravated by Exposure: Hemochromatosis.Subchronic Effects: None known.Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Not known.
Toxicity to Fish and Invertebrates: Not known.
Toxicity to Plants: Not known.
Toxicity in Birds: Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.: Not D.O.T. Regulated.
Other Shipping Description: Fertilizing Compounds (Manufactured), Liquid.
NMFC Item 68140 Sub 6, LTL Class 70)

SECTION 15. REGULATORY INFORMATION

CERCLA: None.
SARA TITLE III, Section 313 Toxic Chemicals: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.