

# MATERIAL SAFETY DATA SHEET

## MultiFIX™: Soluble Nutrients for Plant Growth & Microbial Enhancement

\*Identify\*

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Manufacturer

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5/3/01  
Date Prepared

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Prepared By

### SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Components - Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	Other Limits Recommended
Non-Hazardous Ingredients: Natural Biotechnology Formulation	100			
Extract from Bio Processing of Organic Matter Including:				
Amino Acids, Polysaccharides, Esters, Oils, Alcohols,				
Fats, Organic Acids, Trace Minerals, Proteins, Enzymes.				
<b>Other Additions:</b>				
EDTA Fe, Zn, Cu, Mn. Mg; B; Mo. Food Grade (White)				
Ammonium Phosphate, Urea, Potassium Nitrate, Phosphoric Acid.				
Indole-3-Acetic, Indole-3-Butyric Acids				
Adjuvant: Ammonium Laureth Sulfate				
Vitamins: Thiamin, Riboflavin, Biotin				
<b>Total</b>	100			

### SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 212°F / 100°C	Specific Gravity (H <sub>2</sub> O = 1): 1.205
Vapor Pressure (mm Hg and Temperature): 17 mm Hg	Melting Point: N/A
Vapor Density (Air = 1): N/A	Evaporation Rate (_____ = 1): N/A
Solubility in Water: 100%	Water Reactive: No
Appearance and Odor: Blue in color, with a vitamin odor.	

### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used: All	Auto-Ignition Temperature: N/A	Flammability Limits in Air % by Volume: Non Flammable	LEL:	UEL:
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Extinguisher Media: All

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None Known

**SECTION 4 - REACTIVITY HAZARD DATA**

Stability: <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: N/A
Incompatibility (Materials to Avoid): None	
Hazardous Decomposition Products: None	
Hazardous Polymerization <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will not Occur	Conditions to Avoid: N/A

**SECTION 5 - HEALTH HAZARD DATA**

<b>Primary Routes of Entry</b>	<input type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion	<b>Carcinogen Listed In</b>	<input type="checkbox"/> NTP	<input type="checkbox"/> OSHA
	<input checked="" type="checkbox"/> Skin Absorption	<input type="checkbox"/> Not Hazardous		<input type="checkbox"/> IARC Monograph	<input type="checkbox"/> Not Listed
Health Hazards	Acute: Chronic:				
Signs and Symptoms of Exposure: Slight eye and skin irritation.					
Medical Conditions Generally Aggravated by Exposure: Individuals allergic to any listed ingredients should avoid contact.					
<b>Emergency First Aid Procedures</b> - Seek medical assistance for further treatment, observation, and support if necessary.					
Eye Contact: Irrigation with running water.					
Skin Contact: Wash in running water.					
Inhalation: Allergic reactions to some ingredients may occur in sensitive individuals.					
Ingestion: Nontoxic, slight irritation may occur. Drink water.					

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

Respiratory Protection (Specify Type): N/A		
Protective Gloves: Rubber Gloves		Eye Protection: Goggles
<b>Ventilation to be Used</b>	<input type="checkbox"/> None <input type="checkbox"/> Local Exhaust	<input type="checkbox"/> N/A <input type="checkbox"/> Mechanical (general) <input type="checkbox"/> N/A <input type="checkbox"/> Special
<input type="checkbox"/> Other (specify)		
Other Protective (Clothing and Equipment): N/A		
Hygienic Work Practices: N/A		

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES**

Steps to be Taken if Material is Spilled or Released: Contain spill; see also "Waste Disposal Methods."
Waste Disposal Methods: May be applied on cropland, highway landscape, golf course, etc. at rate up to 25 gal./acre (240 lit/hectare); open Land/Desert 200 - 500 gal./acre (1,900 - 4,700 lit/hectare).
Precautions to be Taken in Handling and Storage: Freezing may break container (slight crystallization may occur from cold). Heat causes continuing bioprocess, creating gases and pressure within container.
Other Precautions and/or Specific Hazards: Avoid eye and skin contact.