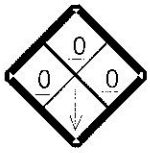
Lilly Miller Brands

Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	A

HMIS RATING

MATERIAL SAFETY DATA SHEET



NFPA RATING

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Lilly Miller Vitamin B1 Plant Starter

Generic Name: Liquid fertilizer

Manufacturer: Lilly Miller Brands

Address: 16201 SE 98th Avenue
Clackamas, OR 97015

MSDS Number: LM-038

Revision Number: New

Date Revised: June 14, 2001

Manufacturer's Phone Number: 503-650-4400

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%	TLV	PEL
Water	7732-18-5	97.5	N/A	N/A
Ferrous Sulfate heptahydrate	7782-63-0	0.6	N/A	N/A
Non-hazardous plant nutrients	Mixture	1.9	None	None

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview: This product is a water soluble plant fertilizer, which is generally non-hazardous. Ingestion of large quantities may cause gastro-intestinal distress. In such cases consultation with a physician is recommended.

Wash hands and exposed skin with soap and water after using this product.

HMIS Rating: **Health:** 0 **Fire:** 0 **Reactivity:** 0 **Personal Protection:** A

Potential Health Effects:

Routes of Entry: Skin contact, eye contact, ingestion.

Inhalation: There is minimal risk of inhalation hazards with this product.

Skin Contact: Essentially non-irritating to the skin.

Eye Contact: May cause irritation or corneal injury.

Ingestion: Ingestion of large quantities may be irritating to the G.I. system.

Medical Conditions Aggravated by Exposure: Dermatitis.

Carcinogenicity: Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.

SECTION IV - FIRST AID MEASURES

Inhalation: Move to an area free from risk of further exposure. Treat symptomatically if required. No adverse effects anticipated by this route of exposure incidental to proper handling.

Eye Contact: Flush with clean, lukewarm water at low pressure. Seek medical attention if irritation persists.

Skin Contact: Wash affected areas thoroughly with soap and warm water immediately after use of this product.

Ingestion: Ingestion of large quantities may be irritating to the GI tract, requiring symptomatic treatment. Consultation with a physician is recommended.

SECTION V - FIREFIGHTING MEASURES

NFPA Rating: Health: 0 Fire: 0 Reactivity: 0 Other: 0

Flash point and Method: N/D

Extinguishing Method: Waterbased, non-flammable product.

Fire or Explosion Hazards: None.

Special Firefighting Procedures: None.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Clean-up Procedures: Wipe up excess, rinse area with clear water.

Personal Precautions: Not normally required.

Environmental Precautions: Keep major spills from entering lakes and waterways.

SECTION VII - HANDLING AND STORAGE

Storage Temperature: Not affected by extremes of temperature.

Shelf Life: Indefinite.

Special Sensitivity: None.

Handling and Storage Precautions: Avoid eye contact, keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Not normally required.

Eye Protection: Use safety glasses if there is potential for exposure to splashes which could cause irritation to the eyes.

Skin Protection: None needed under normal conditions of use.

Engineering Controls: Product is to be used out of doors with good ambient ventilation.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Tan to brownish liquid

Odor: Negligible

Specific Gravity: N/D

Lbs./gal: 9.5 @ pH 7

pH: 7

Solubility in Water: 100 %

% Volatile by Weight (VOC): Nil

SECTION X - REACTIVITY

Stability : This is stable material.

Hazardous Polymerization: Will not occur.

Incompatibilities: None in designed use.

Decomposition Products: CO, CO_2, irritating hydrocarbon particulate.

SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION

Ecological Concerns: : Lilly Miller liquid fertilizers are non-hazardous plant nutrients. No ecological concerns are anticipated.

SECTION XII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: This material is non-hazardous plant nutrient and may be disposed of by applying to soil in accordance with manufacturer's recommendations.

SECTION XIII - TRANSPORTATION INFORMATION

DOT Shipping Name: Not regulated

DOT Label: None

Technical Shipping Name: None

DOT Placard: None

DOT Hazard Class: None

UN/NA Number: None

SECTION XIV - REGULATORY INFORMATION

OSHA Status: Chemicals contained in this product are regulated under OSHA criteria.

TSCA Status: All applicable chemicals are registered under TSCA.

CERCLA Reportable Quantity: Not regulated under CERCLA.

SARA Title III: Not regulated under SARA Title III.

Section 302, Extremely Hazardous: N/A

Section 311/312 Hazard Categories: N/A.

Section 313 Toxic Chemicals: N/A

RCRA Status: Not regulated under RCRA

SECTION XV - APPROVALS

Reason for issue: New MSDS

Approval Date: June 14, 2001

Prepared by: Compliance Consulting Group, Inc.
303-795-2060

Supersedes Date None

SECTION XVI - DISCLAIMER

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.