

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TRU-GREEN CITRUS GROWERS MIX

Date of Preparation: 02/12/05

NFPA HAZARD RATINGS: Health(1), Fire(0), Reactivity(0). {(0)least (1)slight (2)moderate (3)high (4)extreme.}

Section 1-CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Manufacturer: LILLY MILLER BRANDS PO BOX 2289 CLACKAMAS OR 97015

Emergency Telephone: 503-451-4451

Section 2-COMPOSITION/INFORMATION on HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT NAME	FORMULA	CAS No.
Copper EDTA	$C_{10}H_{12}CuN_2Na_2O_8$	14025-21-9
Manganese EDTA	$C_{10}H_{18}MnN_2Na_2O_{11}$	15375-84-5

OSHA Nuisance Dust Limit of 15 mg/M³ (total) and 5 mg/M³ (respirable) & ACGIH Nuisance Dust Limit of 10 mg/M³ and 3 mg/M³ (respirable) may apply to this product.

Section 3-HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Potential Health Effects: Primary Entry Routes: Eyes, skin, ingestion. Target Organs: Eyes, skin, gastrointestinal tract. Acute Effects: *Eye:* May cause irritation, redness or burning. *Skin:* May cause irritation or redness. *Ingestion:* May be harmful if swallowed. May cause abdominal cramps, nausea, and/or vomiting. Medical Conditions Aggravated by Long-Term Exposure: Persons with existing skin lesions should exercise caution when using or handling this product. Chronic Effects: None known.

Section 4-FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Get medical attention. Skin Contact: Wash affected area with mild soap and water. Get medical attention if irritation persists or develops. Ingestion: Give large quantities of water. Induce vomiting. Get medical attention. Note to Physicians: No specific antidote. Treat symptomatically.

Section 5-FIRE FIGHTING MEASURES

Flash Point: NA. Flammability Classification: Non-flammable. Extinguishing Media for Surrounding Area: Water spray, dry chemical, carbon dioxide, foam. Unusual Fire or Explosion Hazards: Fertilizer may become slippery when wet, exercise caution when walking in fire area. Hazardous Combustion Products: Oxides of nitrogen, phosphorus and/or sulfur. Fire-Fighting Instructions: Fire fighters should wear full protective equipment and self-contained breathing apparatus. Prevent runoff from entering water systems. Keep non-essential personnel out of fire area.

Section 6-ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Small Spills: Prevent spill from entering water systems. Sweep up with minimum generation of dust. Place material into labeled container for proper disposal.

Section 7- HANDLING and STORAGE

Handling Precautions: Avoid contact with skin, eyes and clothing. Do not take internally. Wash after handling. Do not contaminate water by disposal of equipment wash waters. Storage Requirements: Store in a cool, dry area preferably locked and out of reach of children.

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Section 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Not normally required. Protective Clothing/Equipment: Normally not required.

EXPOSURE GUIDELINES: as mg/m³

<u>Ingredient</u>	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>NIOSH REL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
Copper from EDTA	1	NA	1	NA	1	NA
Manganese from EDTA	1	NA	5	NA	1	3

Section 9-PHYSICAL/CHEMICAL PROPERTIES

Physical State: Creamy yellow colored powder.

Solubility in Water: Soluble.

Bulk Density: ND

Section 10-STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage. Polymerization: NO. Chemical Incompatibilities: Alkaline or acidic materials, oxidizing agents. Conditions to Avoid: Extreme heat. Hazardous Decomposition Products: Oxides of nitrogen, phosphorus and/or sulfur.

Section 11-TOXICOLOGICAL INFORMATION

No laboratory tests for this product for the following: Eye Effects, Skin Effects, Acute Inhalation Effects, and Chronic Effects. Positive Teratogen/Mutagen/Carcinogen (NTP): NO. Potential Carcinogen OSHA/IARC: NO.

Section 12-ECOLOGICAL INFORMATION

Accidental spills of undiluted product may cause vegetation kills. Keep out of any body of water.

Section 13-DISPOSAL CONSIDERATIONS

Disposal: Consult local, state or federal regulatory agencies for acceptable disposal procedures and locations. Disposal in waterways or sewers may be prohibited.

Section 14-TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101): not regulated

Section 15-REGULATORY INFORMATION

EPA Regulations: Not regulated by EPA under FIFRA or FQPA. OSHA Regulations: Refer to Sections 2 & 8. State Regulations: Check with specific state authorities since regulations vary within the states. SARA Title III; Sections 311/312: Sudden Release of Pressure (N); Reactivity (N); Fire (N); Immediate (Acute) Health (Y); Delayed (Chronic) Health (N). Prop. 65: Warning. This product contains chemicals known to the state of CA to cause cancer or birth defects or other reproductive harm. SARA Title III; Section 313: copper, manganese & zinc.

Section 16-OTHER INFORMATION

Prepared by: Format similar to ANSI Z400.1-2004

ND= Not Determined; NA= Not Applicable; NIA= No Information Available

