

MATERIAL SAFETY DATA SHEET

Complies with OSHA Communication Standard (29CFR 1910.1200)

PRODUCT NAME:

EZG 23-13-10 Soluble

EZ-FLO Fertilizing Systems

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Prepared May 4, 2010

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SECTION 1 - MATERIAL IDENTIFICATION & HAZARD COMPONENTS

Common Names and Synonyms: **EZG 23-13-10, All Purpose Plant Food 23-13-10, Water Soluble with Micros**

<u>Chemical Name</u>	<u>Approx. %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ORAL LD50 Rat (mg/kg)</u>	<u>CAS No.</u>
Manganese EDTA				1750	7439965
Copper EDTA				1750	7440508
Zinc EDTA				1750	7440666
Sodium Molybdate		5 mg/m3	5 mg/m3		7439987

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C): **N/A**
Vapor Pressure (mm Hg): **N/A**
Vapor Density (air=1): **N/A**
Water Solubility: **Water Soluble (30% w/w solution)**

Appearance and Odor: **Powder and fine crystals**
Specific Gravity: **~1.7 g/cc**
Evaporation Rate (water=1): **N/A**
Water Reactive: **N/A**
pH value: **4.5 – 5.5**

SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Test Method (°C): **> 165 °C**
Autoignition Temperature: **N/A**
Flammable Limits in Air % by Volume – Upper: Lower: **N/A**
Extinguishing Media: **Water, Foam, Carbon Dioxide, Dry Chemical.**
Special Fire Fighting Procedure: **Use abundant amount of water in early stages of fire.**
Unusual Fire and Explosion Hazard: **Solids may melt or fuse if large quantities are involved. Noxious fumes may form. Wear SCBA.**

SECTION 4 – REACTIVITY HAZARD DATA

Stability: **Stable under normal use**
Incompatibility: **Strong bases and sodium hypochlorite.**
Conditions to Avoid: **Fire, heating with Sodium Phosphite, dissolving with Sodium Hyposulfite**

Hazardous Polymerization: **Will Not Occur**
Hazardous Decomposition Products: **Oxides of nitrogen, ammonia, phosphorus and other noxious fumes may form during fire,**

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Last Rev: 5/10

SECTION 5 – HEALTH HAZARD DATA

Primary Route(s) of Entry: **Eye and Skin Contact, Ingestion, and Inhalation.**

Carcinogen Listed In: **Not Listed (OSHA / NTP / IARC).**

Signs & Symptoms of Exposure: **Dust can irritate eyes, upper respiratory system. Prolonged exposure may cause skin irritation. Nausea, diarrhea, diuresis, muscular debility may result from ingestion.**

Medical conditions Generally Aggravated by Exposure: **Dust from powder may affect people with asthma.**

Emergency First Aid Procedures: **Flush open eyes with plenty of clean water. If irritation persists, obtain medical attention. Avoid contact with open wounds or broken skin. In case of skin contact, wash area with soap and water. Seek medical attention if discomfort persists. In case of ingestion, rinse mouth give affected person several glasses of water and obtain medical attention. Never give anything by mouth to an unconscious person.**

SECTION 6 – CONTROL & PROTECTIVE MEASURES

Respiratory Protection: **Dust Respirator**

Ventilation: **Local exhaust and ventilate for comfort.**

Protective Gloves: **Rubber Gloves**

Other Protective Equipment: **Cover Exposed Skin**

Eye Protection: **Chemical Goggles**

Hygienic Work Practices: **Wash Hands Thoroughly After Use**

SECTION 7 – PRECAUTION FOR SAFE HANDLING & USE/LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled: **Sweep or vacuum into a designated labeled waste container and contact your local environmental authorities for a licensed waste disposal contractor.**

Waste Disposal Method: **Consult Local Environmental Authorities.**

Precautions to be Taken in Handling and Storage: **Store in a cool, dry place. Keep container tightly closed when not in use.**

Other Precautions: **Keep out of Reach of Children.**

HMIS HAZARD RATING INFORMATION	<u>FLAMMABILITY</u>	<u>HEALTH</u>	<u>REACTIVITY</u>
0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe	1	1	0

Personal Protection: **(Safety Glasses, Gloves, and NIOSH approved Dust Respirator (Ask Your Supervisor for Guidance))**