

## Plant-Prod Chelates: Iron 6% (EDDHA)

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Plant-Prod Chelates: Iron 6% (EDDHA)
<b>Other Means of Identification</b>	11887, 10053
<b>Product Family</b>	Plant-Prod
<b>Recommended Use</b>	Water Soluble Fertilizer for Plants.
<b>Restrictions on Use</b>	Not for human or animal use.
<b>Supplier Identifier</b>	Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1, Canada
<b>Emergency Phone No.</b>	CANUTEC, 1-613-996-6666, 24 Hours
<b>Date of Preparation</b>	May 25, 2016

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Combustible dust - Category 1

#### Label Elements

Signal Word:

Warning

Hazard Statement(s):

May form combustible dust concentrations in air.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients. Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ethylenediaminebis[(2-hydroxyphenyl) acetic acid)], ferric sodium complex	12389-75-2			

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. Rinse nose and mouth with water.

##### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes.

##### Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

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Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face.

#### **Ingestion**

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

#### **First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

### **Most Important Symptoms and Effects, Acute and Delayed**

None known.

### **Immediate Medical Attention and Special Treatment**

#### **Special Instructions**

Treat symptomatically.

#### **Medical Conditions Aggravated by Exposure**

None known.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Specific Hazards Arising from the Product**

Can ignite if strongly heated. Avoid accumulation of dust. Risk of ignition followed by flame propagation or secondary explosions.

In a fire, the following hazardous materials may be generated: smoke containing hazardous combustion products (see Section 10).

### **Special Protective Equipment and Precautions for Fire-fighters**

Wear SCBA and full protective clothing. Standard procedure for chemical fire.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Avoid dust formation.

### **Environmental Precautions**

No special precautions are necessary.

### **Methods and Materials for Containment and Cleaning Up**

Avoid generating dust. Sweep up spilled material and dispose of in approved manner. Store recovered product in suitable containers that are: tightly-covered.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid generating dusts. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Only use where there is adequate ventilation.

### **Conditions for Safe Storage**

Store in the original, labelled, shipping container. Store in a closed container. Store in an area that is: dry, temperature-controlled, secure and separate from work areas. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear protective safety glasses.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots. Nitrile rubber.

#### Respiratory Protection

In case of dust, vapour or aerosol formation, wear a NIOSH approved air-purifying respirator with an appropriate cartridge. Half mask with a particle filter P2 (EN 143).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Red - brown granules. Particle Size: Not available
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	7 - 9 (1% solution)
<b>Melting Point/Freezing Point</b>	Not applicable (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not classified as a flammability hazard
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not available (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	Not available
<b>Solubility</b>	50 g/L in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	< 0
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not applicable (kinematic); Not applicable (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Solid
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available
<b>Bulk Density</b>	500 - 700 kg/m <sup>3</sup>
<b>Surface Tension</b>	Not available
<b>Critical Temperature</b>	Not available
<b>Saturated Vapour Concentration</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

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**Reactivity**

Not reactive under normal conditions of use.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use. Dust may form explosive mixture in air.

**Conditions to Avoid**

Open flames, sparks, static discharge, heat and other ignition sources.

**Incompatible Materials**

Strong oxidizing agents, strong bases.

**Hazardous Decomposition Products**

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides. fine dust dispersion in the air may form an explosive mixture.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure**

Inhalation; skin contact; eye contact.

**Skin Corrosion/Irritation**

Product dust may cause very mild irritation based on information for closely related chemicals.

**Serious Eye Damage/Irritation**

Product dust may cause very mild irritation based on information for closely related chemicals.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

Product dust may lead to respiratory irritation.

**Skin Absorption**

Not absorbed through skin.

**Ingestion**

Not expected to be irritating.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No information was located.

**Respiratory and/or Skin Sensitization**

Not known to be a skin sensitizer.

**Carcinogenicity**

Not known to cause cancer.

**Reproductive Toxicity****Development of Offspring**

No information was located.

**Sexual Function and Fertility**

No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

No information was located.

**Interactive Effects**

No information was located.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethylenediaminebis[(2-hydroxyphenyl) acetic acid], ferric sodium complex	> 100 mg/L (Danio rerio (zebra fish); 96-hour)			

#### Persistence and Degradability

Not readily biodegradable.

#### Bioaccumulative Potential

Bioaccumulation is unlikely.

#### Mobility in Soil

Adsorption to the solid soil particles is not expected.

#### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of or recycle empty containers through an approved waste management facility. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

This product contains one or several components that are not on the Canadian DSL nor NDSL.  
q (quantity restriction).

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 0</b>	<b>Flammability - 0</b>	<b>Instability - 0</b>
<b>SDS Prepared By</b>	MPPI Technical Department		
<b>Phone No.</b>	905-793-8000		
<b>Date of Preparation</b>	May 25, 2016		
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**Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither Master Plant-Prod Inc., nor any of its distributors, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Although certain hazards are described, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of any product is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

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