

## Plant-Prod MJ Spike (CaMg)

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Plant-Prod MJ Spike (CaMg)
<b>Other Means of Identification</b>	12590, 12389
<b>Product Family</b>	Plant-Prod MJ
<b>Recommended Use</b>	Water Soluble Fertilizer for Plants.
<b>Manufacturer/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>	April 16, 2018

### SECTION 2. HAZARD IDENTIFICATION

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

**Classification**

Combustible dust - Category 1

**Label Elements**

Signal Word:

Warning

May form combustible dust concentrations in air.

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients. Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ethylenediaminetetraacetic acid, calcium disodium complex	62-33-9	56		
Ethylenediaminetetraacetic acid, magnesium disodium complex	14402-88-1	44		

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Move to fresh air. If breathing has stopped, trained personnel should begin rescue breathing. Call a Poison Centre or doctor.

**Skin Contact**

Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Call a Poison Centre or doctor if you

feel unwell.

#### **Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor.

#### **Ingestion**

For large amounts immediately call a Poison Centre or doctor. Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

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

May cause mild irritation.

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

#### **Special Instructions**

See first aid information above. Note to Physicians: Provide general supportive measures and 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.

#### **Unsuitable Extinguishing Media**

DO NOT use water jet.

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

May intensify fire.

In a fire, the following hazardous materials may be generated: hazardous combustion products.

### **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**

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Remove or isolate incompatible materials as well as other hazardous materials. Eliminate all ignition sources. Use grounded, explosion-proof equipment.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

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

Contain the spill. Avoid contact with combustibles, organics and ignition sources. Sweep up spilled material and use or dispose of in approved manner.

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

### **Precautions for Safe Handling**

Avoid repeated or prolonged skin contact. Do not get in eyes. Only use where there is adequate ventilation.

### **Conditions for Safe Storage**

Store in an area that is: cool, dry, well-ventilated. Keep out of reach of children. Store in a closed container. Keep separate from acids, alkalis, reducing agents and combustibles.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

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

### Individual Protection Measures

#### Eye/Face Protection

When handling dry concentrated product: wear protective safety glasses. When handling diluted product: wear chemical safety goggles.

#### Skin Protection

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

#### Respiratory Protection

Use an appropriate NIOSH approved particulate respirator. Monitor dust levels within working area and ensure adequate ventilation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	White powder. Particle Size: Not available
Odour Threshold	Not applicable
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
Physical State	Solid
Molecular Formula	Not applicable
Molecular Weight	Not available
Bulk Density	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use. May intensify fire.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

Heat. Water, moisture or humidity. Open flames, sparks, static discharge, heat and other ignition sources.

**Incompatible Materials**

Strong acids, strong alkaloids, oxidizers, organics.

**Hazardous Decomposition Products**

Under fire - very toxic carbon monoxide, carbon dioxide; calcium oxides; magnesium oxides; toxic and irritating fumes.

**SECTION 11. TOXICOLOGICAL INFORMATION**

No information available.

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethylenediaminetetraacetic acid, calcium disodium complex		> 5000 mg/kg (rat)	
Ethylenediaminetetraacetic acid, magnesium disodium complex	> 5.16 mg/L (rat) (4-hour exposure) (dust)		

**Skin Corrosion/Irritation**

No information was located.

**Serious Eye Damage/Irritation**

No information was located.

**Carcinogenicity**

Not known to cause cancer. Nitrilotriacetic Acid (NTA) and its salts were determined to be "possibly carcinogenic to humans by IARC, a compound which "may reasonably be anticipated to be a carcinogen" by NTP and a "select carcinogen" by OSHA.

**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.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
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Ethylenediaminetetraacetic acid, calcium disodium complex	> 100 mg/L (Lepomis macrochirus (bluegill); 96-hour)	> 100 mg/L (Daphnia magna (water flea); 48-hour)		
Ethylenediaminetetraacetic acid, magnesium disodium complex	> 100 mg/L (Lepomis macrochirus (bluegill); fresh water)	> 100 mg/L (Daphnia magna (water flea); 48-hour; fresh water)		

#### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Ethylenediaminetetraacetic acid, calcium disodium complex	> 25.7 mg/L (Danio rerio (zebra fish); 35-days)			
Ethylenediaminetetraacetic acid, magnesium disodium complex	> 25.7 mg/L (Danio rerio (zebra fish); 35-days)			

#### Persistence and Degradability

No information was located.

#### Bioaccumulative Potential

No information was located.

#### Mobility in Soil

No information was located.

#### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

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. Not regulated under IATA 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)

All ingredients are listed on the DSL.

##### USA

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

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** MPPI Technical Department

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**Phone No.** 905-793-8000

**Date of Preparation** April 16, 2018

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**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault  
Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and  
Safety (CCOHS).

**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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