

## Plantex 20-20-20 Classic

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Plantex 20-20-20 Classic
<b>Other Means of Identification</b>	10393, 10392, 10783, 11929
<b>Product Family</b>	Plantex
<b>Recommended Use</b>	Water Soluble Fertilizer for Plants.
<b>Restrictions on Use</b>	Not applicable.
<b>Manufacturer/Supplier Identifier</b>	Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1
<b>Emergency Phone No.</b>	CANUTEC, 1-613-996-6666, 24 Hours
<b>Date of Preparation</b>	July 01, 2014

### SECTION 2. HAZARD IDENTIFICATION

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Potassium nitrate	7757-79-1	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**

Rinse with lukewarm, gently flowing water for 5 minutes. If skin irritation occurs, get medical advice or attention.

**Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

**Ingestion**

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**

Not applicable.

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

None known.

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

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Use flooding quantities of water or other suitable extinguishing agent.

#### **Unsuitable Extinguishing Media**

DO NOT use water jet.

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

Mild oxidizer. May intensify fire.

Very toxic carbon monoxide, carbon dioxide; corrosive sulfur oxides; corrosive, flammable ammonia; cyanuric acid.

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

Wear SCBA and full protective clothing. Oxidizer. Prevent contact with flammable and combustible materials.

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.

### **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.

## **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. Keep out of reach of children.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

Not available.

### **Appropriate Engineering Controls**

General ventilation is usually adequate.

### **Individual Protection Measures**

#### **Eye/Face Protection**

Wear chemical safety goggles.

#### **Skin Protection**

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

#### **Respiratory Protection**

Use an appropriate respirator or dust mask.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Blue fine powder. Particle Size: Not available
<b>Odour</b>	Slight ammonia odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	3.6 (10% solution)
<b>Melting Point/Freezing Point</b>	Not applicable (melting); Not applicable (freezing)
<b>Initial Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Will not burn.
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	0.73
<b>Solubility</b>	Not available in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Solid
<b>Molecular Formula</b>	Not applicable
<b>Molecular Weight</b>	Not available
<b>Bulk Density</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

May intensify fire not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Not applicable.

### 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

Corrosive, flammable ammonia; very toxic carbon monoxide, carbon dioxide; corrosive sulfur oxides; cyanuric acid.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

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Chemical Name	LD50 (oral)	LD50 (dermal)	LC50
Potassium nitrate	3750 mg/kg (rat)		

**Skin Corrosion/Irritation**

Irritation could occur with prolonged exposure to dry fertilizer or fertilizer solution. Contact with heated material may cause thermal burns.

**Serious Eye Damage/Irritation**

Irritation or burn could occur if fertilizer solution is splashed in eyes or dry product contacted. May cause moderate aggravation.

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

**Inhalation**

May lead to respiratory irritation. Very low vapour activity. If heated could release ammonia gas.

**Skin Absorption**

Not absorbed through skin.

**Ingestion**

Excessive ingestion must occur before any health hazards results. Effects of over exposure may include nausea, vomiting, diarrhea, weakness or convulsions.

**Aspiration Hazard**

No information was located.

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

No information was located.

**Respiratory and/or Skin Sensitization**

Skin sensitizer.

**Carcinogenicity**

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.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

**Reproductive Toxicity**

**Development of Offspring**

No information was located.

**Sexual Function and Fertility**

Boric acid may impair male fertility, based on animal data.

**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**

This section is not required by OSHA HCS 2012.

**Ecotoxicity**

**Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Potassium nitrate		490 mg/L (Daphnia magna (water flea);		

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		24-hour)		
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**Chronic Aquatic Toxicity**

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Potassium nitrate				900 mg/L (Daphnia magna (water flea); 4.2 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**

**WHMIS 1988 Classification**

Not a WHMIS controlled product.

**SECTION 16. OTHER INFORMATION**

**SDS Prepared By** MPPI Technical Department

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

**Revision Indicators** The following SDS content was changed on October 15, 2015:  
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.  
The following SDS content was changed on October 15, 2015:  
SECTION 12. ECOLOGICAL INFORMATION; Chronic Aquatic Toxicity.  
The following SDS content was changed on October 15, 2015:  
SECTION 12. ECOLOGICAL INFORMATION; Chronic Aquatic Toxicity.

**References** CHEMINFO database. 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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