

## Plantex 35-5-10 Turf

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Plantex 35-5-10 Turf
<b>Other Means of Identification</b>	10398
<b>Product Family</b>	Plantex
<b>Recommended Use</b>	Water Soluble Fertilizer for Plants.
<b>Manufacturer</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>	June 30, 2014

### SECTION 2. HAZARD IDENTIFICATION

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Potassium nitrate	7757-79-1	16	

### 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.

### 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.

#### **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.

## **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>	Not available
<b>Melting Point/Freezing Point</b>	Not applicable (melting); Not applicable (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Will not burn.
<b>Vapour Pressure</b>	Not available
<b>Solubility</b>	Not available in water
<b>Decomposition Temperature</b>	Not applicable

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## Other Information

<b>Physical State</b>	Solid
<b>Molecular Formula</b>	Not applicable
<b>Molecular Weight</b>	Not available
<b>Bulk Density</b>	~ 0.9 kg/L

## 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

Reducing agents, strong acids, strong alkaloids, oxidizers, organics.

### Hazardous Decomposition Products

Oxides of nitrogen, phosphorus.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LD50 (oral)	
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.

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

#### Inhalation

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

#### 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.

### Carcinogenicity

Nitilotriacetic 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.

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by OSHA HCS 2012.

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## Ecotoxicity

### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Potassium nitrate		490 mg/L (Daphnia magna (water flea); 24-hour)		

### 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)

## 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.

**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

**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.

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

**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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