

Plant-Prod 35-5-10

SECTION 1. IDENTIFICATION

Product Identifier	Plant-Prod 35-5-10
Other Means of Identification	10568
Product Family	Plant-Prod
Recommended Use	Water Soluble Fertilizer for Plants.
Manufacturer	Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1, Canada
Emergency Phone No.	CANUTEC, 1-888-226-8832 (North America) or 1-613-996-6666 (International), 24 Hours
Date of Preparation	September 22, 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	Other Names
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. If ammonia gas is inhaled from heated fertilizer and breathing has stopped, begin artificial respiration.

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

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.

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

Ne pas inhaler les vapeurs de décomposition. Si chauffé , pourrait libérer des gaz d'ammoniac.

Special Protective Equipment and Precautions for Fire-fighters

Porter un appareil respiratoire autonome et des vêtements protecteurs. 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

Contenir le déversement. Eviter le contact avec des matériaux combustibles et organiques et des sources d'ignition. Balayer le produit déversé et éliminer manière approuvée.

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. Tenir à l'écart des acides, des bases , des agents réducteurs et des combustibles.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Potassium nitrate	5 mg/m3					

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

Wear chemical safety goggles.

Skin Protection

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

Respiratory Protection

Utilisez un appareil respiratoire ou masque anti-poussière.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product Identifier: Plant-Prod 35-5-10 - Ver. 1

SDS No.: 00410002

Date of Preparation: September 22, 2014

Date of Last Revision:

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Basic Physical and Chemical Properties

Appearance	fine powder. Particle Size: Not available
Odour	Slight ammonia odour
Odour Threshold	Not applicable
pH	Not available
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Will not burn.
Vapour Pressure	Not available
Solubility	Not available in water
Decomposition Temperature	Not available
Other Information	
Physical State	Solid
Molecular Formula	Not applicable
Molecular Weight	Not available
Bulk Density	0.82 kg/L

SECTION 10. STABILITY AND REACTIVITY

Reactivity

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

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

See "Hazardous Decomposition Products".

Conditions to Avoid

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

Incompatible Materials

Acides forts , des alcaloïdes puissants , oxydants, organiques.

Hazardous Decomposition Products

L'ammoniac , les nitrates , les nitrites.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Potassium nitrate		>2000 mg/kg (rat)	>5000 mg/kg (rat)

Skin Corrosion/Irritation

Le contact avec le produit chauffé peut provoquer des brûlures thermiques. Irritation pourrait se produire une exposition prolongée à une solution d'engrais ou d'engrais sécher.

Serious Eye Damage/Irritation

Irritation ou de brûlure pourrait se produire si la solution d'engrais est projeté dans les yeux ou produit sec contacté. Matériau chauffé peut provoquer des brûlures thermiques.

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.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Potassium nitrate	1378 mg/L (96-hour)	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.

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

Date of Preparation September 22, 2014

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.
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SECTION 12. ECOLOGICAL INFORMATION; Chronic Aquatic Toxicity.

The following SDS content was changed on May 24, 2019:

SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values.

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The following SDS content was changed on May 24, 2019:

SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.

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

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