

## MATERIAL SAFETY DATA SHEET

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**PRODUCT INFORMATION**

Product Identifier **PLANT-PROD® 35-5-10 WATER SOLUBLE FERTILIZER**

Manufacturer's Name **PLANT PRODUCTS CO. LTD.**  
Address **314 ORENDA ROAD  
BRAMPTON, ONTARIO  
L6T 1G1**

Emergency Phone Number **1-613-996-6666**

Product Use **WATER SOLUBLE FERTILIZER FOR PLANTS**

**HAZARDOUS INGREDIENTS**

Hazardous Ingredients	C.A.S. / N.A. / UN No.	%	LD <sub>50</sub>
POTASSIUM NITRATE	CAS 7757-79-1	16	ND

WHMIS CLASSIFICATION: NOT CONTROLLED

**PHYSICAL DATA**

Physical State:	SOLID	Odour and Appearance:	
			FINE POWDER, SLIGHT AMMONIA ODOUR
Odour Threshold (ppm):	NA	Specific Gravity:	NA
Vapour Pressure (mmHg C 20° C):	ND	Vapour Density (AM=1):	ND
Evaporation Rate:	ND	Boiling Point:	NA
Freezing Point:	NA	Density:	0.82
g/mL			
pH:	ND		

**FIRE AND EXPLOSION HAZARD**

Flammability: NON-FLAMMABLE

Means of Extinction: USE FLOODING QUANTITIES OF WATER. DO NOT USE WATER JET. WEAR SCBA AND FULL PROTECTIVE CLOTHING.

Flashpoint: NA UEL: NA LEL: NA

Auto-ignition Temperature: ND TDG Flammability Class: NON-FLAMMABLE

Hazardous Combustion Products: MAY RELEASE HYDROGEN CYANIDE, CARBON MONOXIDE, AMMONIA, OXIDES OF NITROGEN WHEN DECOMPOSED.

**REACTIVITY DATA**

Chemical Stability: STABLE WHEN DRY

Incompatibility: STRONG ACIDS, STRONG ALKALIES, OXIDIZERS, ORGANICS

Conditions of Reactivity: WET CONDITIONS OR WHEN HEATED

Hazardous Decomposition Products: AMMONIA, NITRATES, NITRITES

**TOXICOLOGICAL PROPERTIES**

Route of Entry:

Effects of Acute or Chronic Exposure:

SKIN CONTACT - IRRITATION COULD OCCUR WITH PROLONGED EXPOSURE TO DRY FERTILIZER OR FERTILIZER SOLUTION. CONTACT WITH HEATED MATERIAL MAY CAUSE THERMAL BURNS.

SKIN ABSORPTION - NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.

EYE CONTACT - IRRITATION COULD OCCUR IF FERTILIZER SOLUTION IS SPLASHED IN EYES OR DRY PRODUCT CONTACTED. HEATED MATERIAL MAY CAUSE THERMAL BURNS.

INHALATION - VERY LOW VAPOUR ACTIVITY. IF HEATED COULD RELEASE AMMONIA GAS. CAN CAUSE RESPIRATORY TRACT IRRITATION.

INGESTION - EXCESSIVE INGESTION MUST OCCUR BEFORE ANY HEALTH HAZARD RESULTS. EFFECTS OF OVEREXPOSURE MAY INCLUDE NAUSEA, VOMITING, DIARRHEA, WEAKNESS OR CONVULSIONS.

Exposure Limits: ND

Synergistic Products: ND

Sensitization / Irritancy: UREA CAN CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS.

Carcinogenicity / Teratogenicity /Mutagenicity / Reproductive Effects: NONE KNOWN

**PREVENTIVE MEASURES:**

Personal Protective Equipment:

SKIN - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.

INHALATION - DUST MASK IF CONDITIONS WARRANT.

EYES - WEAR SAFETY GLASSES TO AVOID EYE CONTACT. DO NOT WEAR CONTACT LENSES.

Engineering Controls: VENTILATE TO CONTROL DUST.

Leak or Spill Procedure: CONTAIN THE SPILL. SWEEP UP SPILLED MATERIAL AND USE OR DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS.

**PREVENTIVE MEASURES (continued)**

Disposal: DISPOSE OF IN NON CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

Handling Procedures and Equipment: AVOID DIRECT AND PROLONGED CONTACT WITH SKIN.

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE.

Shipping Information: NOT REGULATED BY TDG

**FIRST AID MEASURES:**

SKIN - WASH WITH SOAP AND WATER. THERMAL BURNS REQUIRE IMMEDIATE MEDICAL ATTENTION. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.

EYES - FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL ADVICE.

INHALATION - IF AMMONIA GAS IS INHALED FROM HEATED FERTILIZER AND BREATHING HAS STOPPED BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS LABOURED GIVE OXYGEN. SEEK MEDICAL ATTENTION.

INGESTION - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

**PREPARATION INFORMATION**

Department:	Phone Number:	Date:
TECHNICAL	(905) 793-7000	NOVEMBER 2005

NA - Not Applicable  
ND - Not Determined