

PRODUCT INFORMATION

Product Identifier	PLANT-PROD 6-11-31 HYDROPONIC
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	52	ND

WHMIS CLASSIFICATION                      CLASS C - OXIDIZER

PHYSICAL DATA

Physical State:		Odour and Appearance:	
SOLID		FINE BLUE POWDER	
Odour Threshold:	NA	Specific Gravity:	NA
Vapour Pressure:	ND	Vapour Density:	ND
Evaporation Rate:	ND	Boiling Point:	NA
Freezing Point:	NA	Density:	1.35 g/mL
pH:	ND		

FIRE AND EXPLOSION HAZARD

<b>Flammability:</b>	NON-FLAMMABLE		
<b>Means of Extinction:</b>	USE FLOODING QUANTITIES OF WATER. DO NOT USE WATER JET. WEAR SCBA AND FULL PROTECTIVE CLOTHING. THIS MATERIAL IS AN OXIDIZER AND THEREFORE INCREASES THE INTENSITY OF ANY FIRE.		
<b>Flashpoint:</b>	NA	<b>UEL:</b>	NA
<b>Auto-ignition Temperature:</b>	ND	<b>TDG Flammability Class:</b>	NON-FLAMMABLE
<b>Hazardous Combustion Products:</b>	NITRATES, NITRITES, AMMONIA, CARBON MONOXIDE, SULFUR OXIDES		

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**REACTIVITY DATA**

**Chemical Stability:** STABLE WHEN DRY

**Incompatibility:** STRONG ACIDS, STRONG ALKALIES, OXIDIZERS, ORGANICS

**Conditions of Reactivity:** MOIST, WET CONDITIONS

**Hazardous Decomposition Products:** NITRATES, NITRITES

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**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.

**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.

**INHALATION** - VERY LOW VAPOUR ACTIVITY. IF HEATED COULD RELEASE NOXIOUS FUMES. 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:**

MAY CAUSE MINOR IRRITATION

**Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:**

NONE KNOWN

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**PREVENTIVE MEASURES:****Personal Protective Equipment:**

RESPIRATORY - DUST MASK IF CONDITIONS WARRANT.

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

SKIN - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.

**Engineering Controls:**

VENTILATE TO CONTROL DUST

**Leak or Spill Procedure:**

CONTAIN THE SPILL. AVOID CONTACT WITH COMBUSTIBLES, ORGANICS AND IGNITION SOURCES.

SWEEP UP SPILLED MATERIAL AND USE OR DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.

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**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:**

SHIPPING NAME – POTASSIUM NITRATE MIXTURE

UN NUMBER – 1486

PACKING GROUP – III

PLACARD – 5.1 OXIDIZER

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**FIRST AID MEASURES:**

**SKIN** - WASH WITH SOAP AND WATER. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.

**EYES** - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER. SEEK ATTENTION IF IRRITATION PERSISTS.

**INHALATION** - REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT PHYSICIAN.

**INGESTION** - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

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**ADDITIONAL INFORMATION:**

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**PREPARATION INFORMATION**

**Department:**

TECHNICAL

**Phone Number:**

(905) 793-7000

**Date:**

APRIL 2011

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NA - Not Applicable

ND - Not Determined