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**PRODUCT INFORMATION**

<b>Product Identifier</b>	<b>PLANT-PROD 12-0-44 WATER SOLUBLE FERTILIZER</b>
<b>Manufacturer's Name</b>	PLANT PRODUCTS CO. LTD.
<b>Address</b>	314 ORENDA ROAD BRAMPTON, ONTARIO L6T 1G1
<b>Emergency Phone Number</b>	1-613-996-6666
<b>Product Use</b>	WATER SOLUBLE FERTILIZER FOR PLANTS

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**HAZARDOUS INGREDIENTS**

<b>Hazardous Ingredients</b>	<b>C.A.S. / N.A. / UN No.</b>	<b>%</b>	<b>LD<sub>50</sub></b>
POTASSIUM NITRATE	CAS 7757-79-1	98	ND

**WHMIS CLASSIFICATION** CLASS C - OXIDIZER

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**PHYSICAL DATA**

<b>Physical State:</b> SOLID	<b>Odour and Appearance:</b> FINE BLUE POWDER, NO ODOUR
<b>Odour Threshold:</b> NA	<b>Specific Gravity:</b> 2.11
<b>Vapour Pressure:</b> BELOW 1 mm Hg	<b>Vapour Density:</b> ND
<b>Evaporation Rate:</b> ND	<b>Boiling Point:</b> 399° C, DECOMPOSES
<b>Freezing Point:</b> NA	<b>Density:</b> 1.17 g/mL
<b>pH:</b>	

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**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. THIS MATERIAL IS AN OXIDIZER AND THEREFORE INCREASES THE INTENSITY OF ANY FIRE AND POSSIBILITY OF AN EXPLOSION.

**Flashpoint:** ABOVE 150° C, TCC

**UEL:** NA

**LEL:** NA

**Auto-ignition Temperature:**  
ND

**TDG Flammability Class:**  
NON-FLAMMABLE

**Hazardous Combustion Products:**

OXIDES OF NITROGEN, NOXIOUS FUMES

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**REACTIVITY DATA**

**Chemical Stability:** STABLE IN NORMAL USE AND STORAGE

**Incompatibility:** ORGANICS

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

**Hazardous Decomposition Products:** OXIDES OF NITROGEN

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**TOXICOLOGICAL PROPERTIES**

**Route of Entry:**

**Effects of Acute or Chronic Exposure:**

**SKIN CONTACT** - NORMALLY NOT HAZARDOUS

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

**EYE CONTACT** - IRRITATION OR BURN COULD OCCUR IF FERTILIZER SOLUTION IS SPLASHED IN EYES OR DRY PRODUCT CONTACTED.

**INHALATION** - VERY LOW VAPOUR ACTIVITY. DUST CAN BE IRRITATING.

**INGESTION** - LOW TOXICITY. ACUTE LD<sub>50</sub> UNKNOWN. SYMPTOMS OF EXPOSURE: SMALL AMOUNTS: WEAKNESS, DEPRESSION, HEADACHE AND MENTAL IMPAIRMENT. LARGE AMOUNTS: NITRATE POISONING, DIZZINESS, ABDOMINAL CRAMPS, VOMITING, BLOODY DIARRHEA, WEAKNESS, CONVULSIONS AND COLLAPSE.

**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.

GLOVES - 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. AVOID BREATHING DUST.

**Storage Requirements:**

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE. AVOID STORING WITH OXIDIZABLE OR FLAMMABLE MATERIALS.

**Shipping Information:**

**SHIPPING NAME** - POTASSIUM NITRATE MIXTURE

**UN NUMBER** - 1486

**PACKING GROUP** - III

**PLACARD** - 5.1 OXIDIZER

**FIRST AID MEASURES:**

**SKIN** - WASH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER. REMOVE CONTAMINATED CLOTHING.

**EYES** - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR AT LEAST 30 MINUTES. SEEK MEDICAL ATTENTION.

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

**INGESTION** - GIVE LARGE QUANTITIES OF WATER AND INDUCE VOMITING. FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION.

**ADDITIONAL INFORMATION:**

**PREPARATION INFORMATION**

**Department:**

**Phone Number:**

**Date:**

TECHNICAL

(905) 793-7000

NOVEMBER 2005

NA - Not Applicable

ND - Not Determined