

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT INFORMATION**

<b>Product Identifier</b>	<b>PLANT-PROD 28-14-14 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

**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	14	ND

**WHMIS CLASSIFICATION:** NOT CONTROLLED**PHYSICAL DATA**

<b>Physical State:</b> SOLID	<b>Odour and Appearance:</b> FINE POWDER, SLIGHT AMMONIA ODOUR
<b>Odour Threshold:</b> NA	<b>Specific Gravity:</b> NA
<b>Vapour Pressure:</b> ND	<b>Vapour Density:</b> ND
<b>Evaporation Rate:</b> ND	<b>Boiling Point:</b> NA
<b>Freezing Point:</b> NA	<b>Density:</b> 0.79 g/mL
<b>pH:</b> 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 IF PRODUCT IS INVOLVED IN A FIRE.

**Flashpoint:** NA**UEL:** NA**LEL:** NA**Auto-ignition Temperature:****TDG Flammability Class:**

ND

NON-FLAMMABLE

**Hazardous Combustion Products:**

MAY RELEASE HYDROGEN CYANIDE, CARBON MONOXIDE, AMMONIA, OXIDES OF NITROGEN AND PHOSPHORUS 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, OXIDES OF PHOSPHORUS .

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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. 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

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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. SWEEP UP SPILLED MATERIAL AND USE OR DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS.

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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:**

NOT REGULATED BY TDG

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**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 LARGE AMOUNT OF WATER FOR AT LEAST 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.

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**ADDITIONAL INFORMATION**

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**PREPARATION INFORMATION**

**Department:**

**Phone Number:**

**Date:**

TECHNICAL

(905) 793-7000

SEPTEMBER 2010

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NA - Not Applicable  
ND - Not Determined