

MATERIAL SAFETY DATA SHEET

**PRODUCT INFORMATION**

**Product Identifier** PLANTEX SOLUTION 19-2-19 FERTILITY PLUS

**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	40	ND
AMMONIUM NITRATE	CAS 6482-52-2	42	4820 mg/kg

**WHMIS CLASSIFICATION:** CLASS C - OXIDIZER

**PHYSICAL DATA**

<b>Physical State:</b> SOLID	<b>Odor and Appearance:</b> FINE POWDER, SLIGHT AMMONIA ODOR
<b>Odor Threshold:</b> NA	<b>Specific Gravity:</b> ND
<b>Vapor Pressure:</b> ND	<b>Vapor Density:</b> ND
<b>Evaporation Rate:</b> ND	<b>Boiling Point:</b> NA
<b>Freezing Point:</b> NA	<b>Density:</b> 1.2 g/mL
<b>pH (10% solution):</b> 3.6	

**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:** NA                      **UEL:** NA                      **LEL:** NA

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

**Hazardous Combustion Products:**  
AMMONIA, OXIDES OF CARBON, NITROGEN, PHOSPHOROUS

**REACTIVITY DATA**

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

**Incompatibility:** ACIDS, CORROSIVES, FUELS, OXIDIZERS, COMBUSTIBLES

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

**Hazardous Decomposition Products:** AMMONIA, OXIDES OF CARBON, NITROGEN, PHOSPHOROUS

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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 AMMONIA GAS. CAN CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE COUGHING AND SNEEZING.

**INGESTION** – EXCESSIVE INGESTION MUST OCCUR BEFORE ANY HEALTH HAZARD RESULTS. EFFECTS OF OVEREXPOSURE MAY INCLUDE NAUSEA, VOMITING, DIARRHEA, WEAKNESS, CONVULSIONS, HYPERTENSION, SYSTEMIC ACIDOSIS, METHEMOGLOBINEMIA (INITIAL SYMPTOMS-CYANOSIS, CHARACTERIZED BY ALMOST BLACK SKIN, LIPS AND TONGUE) AND ABNORMAL HEMOGLOBIN.

**Exposure Limits:**

ND

**Synergistic Products:**

ND

**Sensitization / Irritancy:**

CAN 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.

**Storage Requirements:**

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY LOCATION.

**Shipping Information:**

SHIPPING NAME: AMMONIUM NITRATE FERTILIZERS  
UN NUMBER: 2071

PACKING GROUP: III  
PLACARD: 9

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**FIRST AID MEASURES:**

**SKIN** – PROMPTLY WASH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CLOTHING. IF IRRITATION PERSISTS CONTINUE FLUSHING. SEEK MEDICAL ATTENTION.

**EYES** – FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER, HOLDING EYE LID OPEN FOR AT LEAST 30 MINUTES. SEEK MEDICAL ATTENTION.

**INHALATION** – REMOVE TO FRESH AIR IF EFFECTS OCCUR. GIVE ARTIFICIAL RESPIRATION ONLY IF BREATHING HAS STOPPED. GIVE CPR IF THERE IS NO BREATHING AND NO PULSE. 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