

MATERIAL SAFETY DATA SHEET

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PRODUCT INFORMATION

Product Identifier	PLANT-PROD® 20-2-20 HIGH NITRATE 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 ₅₀
POTASSIUM NITRATE	7757-79-1	45	ND
AMMONIUM NITRATE	6482-52-2	36	4820 mg/kg

WHMIS CLASSIFICATION: CLASS C – OXIDIZER

PHYSICAL DATA

Physical State:	SOLID	Odour and Appearance:	FINE BLUE 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:	0.99
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. THIS MATERIAL IS AN OXIDIZER AND THEREFORE INCREASES THE INTENSITY OF ANY FIRE .

Flashpoint: NA UEL: NA LEL: NA

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

Hazardous Combustion Products: AMMONIA, OXIDES OF NITROGEN, CARBON MONOXIDE

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 NITROGEN.

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

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. 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.

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

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.

PREPARATION INFORMATION

Department:

Phone Number:

Date:

TECHNICAL

(905) 793-7000

AUGUST 2005

NA - Not Applicable

ND - Not Determined