

MATERIAL SAFETY DATA SHEET

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PRODUCT INFORMATION

Product Identifier	PLANT-PROD 20-8-20 ALL PURPOSE HIGH NITRATE
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	CAS 7757-79-1	44	ND
AMMONIUM NITRATE	CAS 6482-52-2	39	4820 mg/kg

WHMIS CLASSIFICATION: CLASS C - OXIDIZER

PHYSICAL DATA

Physical State:		Odour and Appearance:	
SOLID		FINE BLUE POWDER, SLIGHT AMMONIA ODOUR	
Odour Threshold:	NA	Specific Gravity:	NA
Vapour Pressure:	ND	Vapour Density:	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 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 NITROGEN

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:**

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.

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

PACKING GROUP: III

UN NUMBER: 2071

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. GIVE LARGE QUANTITIES OF WATER AND INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

ADDITIONAL INFORMATION

PREPARATION INFORMATION

Department:

Phone Number:

Date:

TECHNICAL

(905) 793-7000

APRIL 2011

NA - Not Applicable

ND - Not Determined