

MATERIAL SAFETY DATA SHEET

1 of 3

PRODUCT INFORMATION

Product Identifier	PLANT-PROD 20-20-20 CLASSIC
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

WHMIS CLASSIFICATION: NOT CONTROLLED

PHYSICAL DATA

Physical State:	SOLID	Odour and Appearance:	FINE 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:	0.73 g/mL
pH: (10% Solution)	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 IF PRODUCT IS INVOLVED IN A FIRE.

Flashpoint:	NA	UEL:	NA	LEL:	NA
Auto-ignition Temperature:	ND	TDG Flammability Class:	NON-FLAMMABLE		

Hazardous Combustion Products:

AMMONIA, CYANURIC ACID, CO₂, NITROGEN OXIDES

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, NITROGEN OXIDES, CYANURIC ACID, CO₂

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

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.

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

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 WATER FOR 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.

PREPARATION INFORMATION**Department:**

TECHNICAL

Phone Number:

(905) 793-7000

Date:

APRIL 2011

NA - Not Applicable

ND - Not Determined