

MATERIAL SAFETY DATA SHEET

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PRODUCT INFORMATION

Product Identifier	PLANTEX 28-14-14 HIGH N
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	14	ND

WHMIS CLASSIFICATION: NOT CONTROLLED

PHYSICAL DATA

Physical State: SOLID	Odor and Appearance: FINE POWDER, SLIGHT AMMONIA ODOR
Odor Threshold: NA	Specific Gravity: NA
Vapor Pressure: ND	Vapor Density: ND
Evaporation Rate: ND	Boiling Point: NA
Freezing Point: NA	Density: 0.79 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.

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

Hazardous Combustion Products:

MAY RELEASE HYDROGEN CYANIDE, CARBON MONOXIDE, AMMONIA, OXIDES OF NITROGEN 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

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 VAPOR 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 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

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.

ADDITIONAL INFORMATION

PREPARATION INFORMATION**Department:**

TECHNICAL

Phone Number:

(905) 793-7000

Date:

SEPTEMBER 2010

NA - Not Applicable

ND - Not Determined