

PRODUCT INFORMATION

Product Identifier PLANT-PROD 15-15-30 WATER SOLUBLE 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. | % | LD₅₀ |
|------------------------------|-------------------------------|----------|------------------------|
| POTASSIUM NITRATE | CAS 7757-79-1 | 66 | ND |

WHMIS CLASSIFICATION CLASS C - OXIDIZER

PHYSICAL DATA

| | |
|---------------------------------|---|
| Physical State: SOLID | Odour and Appearance: FINE BLUE POWDER, FAINT AMMONIA ODOUR |
| Odour Threshold: NA | Specific Gravity: NA |
| Vapour Pressure: ND | Vapour Density: ND |
| Evaporation Rate: ND | Boiling Point: NA |
| Freezing Point: NA | Density: 1.06 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, NITRATES, NITRITES, CARBON MONOXIDE, HYDROGEN CYANIDE.

REACTIVITY DATA

Chemical Stability: STABLE WHEN DRY

Incompatibility: STRONG ACIDS, STRONG ALKALIES, OXIDIZERS, ORGANICS

Conditions of Reactivity: MOIST, WET CONDITIONS OR FIRE

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 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. 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 PLACE.

Shipping Information:

SHIPPING NAME - POTASSIUM NITRATE MIXTURE

UN NUMBER - 1486

PACKING GROUP - III

PLACARD - 5.1 OXIDIZER

FIRST AID MEASURES:

SKIN - WASH WITH SOAP AND WATER. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER. THERMAL BURNS REQUIRE IMMEDIATE MEDICAL ATTENTION.

EYES - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER. SEEK ATTENTION IF IRRITATION PERSISTS.

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:

Phone Number:

Date:

TECHNICAL

(905) 793-7000

OCTOBER 2005

NA - Not Applicable

ND - Not Determined