

Plant Products

PLANTEX 5-45-20 WATER SOLUBLE FERTILIZER

PRODUCT INFORMATION

Product Identifier PLANTEX 5-45-20 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

INGESTION - Harmful if swallowed. May cause gastro-intestinal irritation and vomiting. Kidney disorders may be aggravated. Effects similar to ingestion of table salt.
 Exposure Limits: ACGIH Nuisance Dust TLV-TWA is 10 mg/m3 Total Dust
 Synergistic Products: ND
 Sensitization/Irritancy: ND
 Carcinogenicity: Potassium sulfate contains arsenic which is known to the State of California to cause cancer.
 Teratogenicity/Mutagenicity/Reproductive Effects: None Known

HAZARDOUS INGREDIENTS

Hazardous Ingredients	C.A.S./N.A./UN No.	%
POTASSIUM SULFATE	CAS 7778-80-5	20
LD50: 800 mg/kg		
Potassium sulfate contains arsenic. Arsenic is known to the State of California to cause cancer. This warning is required under California Proposition 65 regulations.		

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 strong oxidizers or bases. Sweep up spilled material and use or dispose of in approved manner. Prevent entry into waterways, sewers or confined area.
 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

PHYSICAL DATA

Physical State: Solid
 Odor and Appearance: Fine powder, odorless
 Odor Threshold: NA
 Specific Gravity: NA
 Vapor Pressure: ND
 Vapor Density: ND
 Evaporation Rate: ND
 Boiling Point: NA
 Freezing Point: NA
 Density: 1.2 g/mL
 pH: (10% SOLUTION) ND

FIRST AID MEASURES:

SKIN - Wash with soap and water. Flush affected areas with large amount of cold water.
 EYES - Flush immediately with large amount of water for 15 minutes or until irritation subsides. If irritation persists, seek attention.
 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.

FIRE AND EXPLOSION HAZARD

Flammability: Non-Flammable
 Means of Extinction: Water fog, carbon dioxide, foam or dry chemical. Wear SCBA and full protective clothing if product is involved in fire.
 Flashpoint: NA
 UEL: NA
 LEL: NA
 Auto-ignition Temperature: ND
 TDG Flammability Class: Non-Flammable
 Hazardous Combustion Products: May release ammonia, nitrogen oxides, carbon monoxide, phosphorus oxides.

ADDITIONAL INFORMATION:

REACTIVITY DATA

Chemical Stability: Stable when dry
 Incompatibility: Strong acids, strong alkalies, oxidizers, aluminum
 Conditions of Reactivity: Heat or fire, melting with aluminum.
 Hazardous Decomposition Products: Ammonia, oxides of nitrogen, phosphorus and sulfur.

PREPARATION INFORMATION

Department: Technical
 Phone Number: (905) 793-7000
 Date: September 2000
 NA - Not Applicable
 ND - Not Determined

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 vapor activity. If heated could release ammonia gas. Can cause respiratory tract irritation.

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