

----- MATERIAL SAFETY DATA SHEET -----

Plantex

PLANTEX 12-0-44 WATER SOLUBLE FERTILIZER

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PRODUCT INFORMATION  
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PRODUCT IDENTIFIER: Plantex 12-0-44 Water Soluble Fertilizer  
 MANUFACTURER'S NAME: PLANTEX CORP.  
 314 ORENDA ROAD  
 BRAMPTON, ONTARIO  
 L6T 1G1  
 EMERGENCY PHONE NUMBER: 1-613-996-6666  
 PRODUCT USE: Water soluble fertilizer for plants

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HAZARDOUS INGREDIENTS  
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Hazardous Ingredients	%	LD50
Potassium Nitrate	98	ND
C.A.S./N.A./UN No.: CAS 7757-79-1		

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PHYSICAL DATA  
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PHYSICAL STATE: Solid  
 ODOUR THRESHOLD: NA  
 VAPOUR PRESSURE: ND  
 EVAPORATION RATE: ND  
 FREEZING POINT: NA  
 pH:  
 ODOUR AND APPEARANCE: Fine blue powder, No odour  
 SPECIFIC GRAVITY: NA  
 VAPOUR DENSITY: ND  
 BOILING POINT: 750 deg F, decomposes  
 DENSITY: 1.17 g/mL

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FIRE AND EXPLOSION HAZARD  
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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: Above 150 deg C, TCC  
 UEL: NA  
 LEL: NA  
 AUTO-IGNITION TEMPERATURE: ND  
 TDG FLAMMABILITY CLASS: Non-flammable  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of nitrogen, noxious fumes

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REACTIVITY DATA  
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CHEMICAL STABILITY: Stable in normal use and storage  
 INCOMPATIBILITY: Organics  
 CONDITIONS OF REACTIVITY: Moist, wet conditions or fire  
 HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen

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TOXICOLOGICAL PROPERTIES  
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ROUTE OF ENTRY:  
 SKIN CONTACT:  
 EFFECTS OF ACUTE OR CHRONIC EXPOSURE: Normally not hazardous  
 SKIN ABSORPTION:  
 EFFECTS OF ACUTE OR CHRONIC EXPOSURE: Not known to be absorbed through the skin.  
 EYE CONTACT:  
 EFFECTS OF ACUTE OR CHRONIC EXPOSURE: Irritation or burn could occur if fertilizer solution is splashed in eyes or dry product contacted.

INHALATION:

EFFECTS OF ACUTE OR CHRONIC EXPOSURE: Very low vapour activity. Dust can be irritating.

INGESTION:

EFFECTS OF ACUTE OR CHRONIC EXPOSURE: Low toxicity. Acute LD50 unknown.

SYMPTOMS OF EXPOSURE:

SMALL AMOUNTS: Weakness, depression, headache and mental impairment.

LARGE AMOUNTS: Nitrate poisoning, dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, convulsions and collapse.

EXPOSURE LIMITS: ND

SYNERGISTIC PRODUCTS: ND

SENSITIZATION/IRRITANCY: May cause minor irritation

CARCINOGENICITY/TERATOGENICITY/MUTAGENICITY/REPRODUCTIVE

EFFECTS: None known

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PREVENTIVE MEASURES:  
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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.

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. Avoid breathing dust.

STORAGE REQUIREMENTS: Keep out of reach of children. Store in a dry place. Avoid storing with oxidizable or flammable materials.

SHIPPING INFORMATION:

SHIPPING NAME: Potassium Nitrate Mixture

UN NUMBER: 1486

PLACARD: 5.1 Oxidizer

PACKING GROUP: III

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FIRST AID MEASURES:  
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SKIN: Wash with soap and water for at least 15 minutes. Flush affected areas with large amount of cold water. Remove contaminated clothing.

EYES: Flush immediately with large amount of water for at least 30 minutes. Seek medical attention.

INHALATION: Remove to fresh air if effects occur. Consult physician.

INGESTION: Give large quantities of water and induce vomiting. For large amounts seek medical attention.

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ADDITIONAL INFORMATION  
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PREPARATION INFORMATION  
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DEPARTMENT: Technical

PHONE NUMBER: (905) 793-8000

DATE: January 1997

NA - Not Applicable

ND - Not Determined

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