
PRODUCT INFORMATION

Product Identifier PLANT-PROD SOLUTIONS 15-0-14 PRECISION HIGH NITRATE

Manufacturer's Name MASTER PLANT-PROD INC.
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	31	3750 mg/kg (ORAL, RAT) 1901 mg/kg (ORAL, RAB)

WHMIS CLASSIFICATION: NOT CONTROLLED

PHYSICAL DATA

Physical State: SOLID	Odor and Appearance: COARSE PARTICLES, SLIGHT AMMONIA ODOUR
Odor Threshold: NA	Specific Gravity: NA
Vapor Pressure: ND	Vapor Density: ND
Evaporation Rate: ND	Boiling Point: NA
Freezing Point: NA	Density: ND
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 AND POSSIBILITY OF AN EXPLOSION.

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

Hazardous Combustion Products: AMMONIA, OXIDES OF NITROGEN, CARBON MONOXIDE

REACTIVITY DATA

Chemical Stability: STABLE IN NORMAL USE AND STORAGE

Incompatibility: ACIDS, CORROSIVES, FUELS, OXIDIZERS, COMBUSTIBLES

Conditions of Reactivity: MOIST, WET CONDITIONS, HEAT, FIRE

Hazardous Decomposition Products: AMMONIA, OXIDES OF NITROGEN, CARBON MONOXIDE

TOXICOLOGICAL PROPERTIES**Route of Entry:****Effects of Acute or Chronic Exposure:**

SKIN CONTACT - IRRITATION COULD OCCUR WITH EXPOSURE TO DRY FERTILIZER OR FERTILIZER SOLUTION. CONTACT WITH HEATED MATERIAL MAY CAUSE THERMAL.

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. MAY CAUSE COUGHING AND SNEEZING.

INGESTION - EFFECTS OF OVEREXPOSURE MAY INCLUDE NAUSEA, VOMITING, DIARRHEA, WEAKNESS, CONVULSIONS.

Exposure Limits:

POTASSIUM NITRATE ACGIH TLV
TWA: 5 mg/m³ 8 HOURS. FORM: DUST

Synergistic Products:

ND

Sensitization / Irritancy:

MAY CAUSE MINOR IRRITATION

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.

SKIN - 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, 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. AVOID CONTACT WITH COMBUSTIBLE MATERIALS.

Shipping Information:

NOT REGULATED BY TDG

FIRST AID MEASURES:

SKIN – REMOVE ALL CONTAMINATED CLOTHING. WASH AFFECTED AREAS WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

EYES - FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION – REMOVE TO FRESH AIR. BLOW NOSE TO REMOVE AS MUCH OF THE PRODUCT AS POSSIBLE. IF AMMONIA GAS IS INHALED FROM HEATED FERTILIZER AND BREATHING HAS STOPPED BEGIN ARTIFICIAL RESPIRATION. IF RECOVERY IS DELAYED SEEK MEDICAL ATTENTION.

INGESTION - IF INGESTED WATER MAY BE GIVEN TO DRINK OR USED TO WASH OUT MOUTH IF PATIENT IS FULLY CONSCIOUS AND NOT CONVULSING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING UNLESS DIRECTED BY DOCTOR. SEEK MEDICAL ADVICE IMMEDIATELY.

PREPARATION INFORMATION

Department:

Phone Number:

Date:

TECHNICAL

(905) 793-8000

APRIL 2013

NA - Not Applicable
ND - Not Determined