

PRODUCT INFORMATION

Product Identifier **PLANT-PROD CHELATED MICRONUTRIENT MIX
PLANT-PROD CHELATED MICRONUTRIENT MIX
FOR VEGETABLES
PLANT-PROD CHELATED MICRONUTRIENT MIX
FOR TURF**

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**

HAZARDOUS INGREDIENTS

Hazardous Ingredients	C.A.S. / N.A. / UN No.	%	LD₅₀
BORIC ACID	10043-35-3	8	2660 mg/kg (ORAL, RAT)
NITRILOTRIACETIC ACID	139-13-9	1.5	1100 mg/kg (ORAL, RAT)

WHMIS CLASSIFICATION: D2A - PROBABLE CARCINOGEN

PHYSICAL DATA

Physical State: SOLID		Odour and Appearance: FINE POWDER	
Odour Threshold: ND		Specific Gravity: ND	
Vapour Pressure: ND		Vapour Density: ND	
Evaporation Rate: ND		Boiling Point: ND	
Freezing Point: ND		Density: ND	
pH: ND			

FIRE AND EXPLOSION HAZARD

Flammability: VERY LOW RISK

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: ND **UEL:** NA **LEL:** NA

Auto-ignition Temperature: ND **TDG Flammability Class:**

Hazardous Combustion Products: NONE KNOWN

REACTIVITY DATA

Chemical Stability: STABLE

Incompatibility: STRONG OXIDANTS

Conditions of Reactivity:

Hazardous Decomposition Products: NONE

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

SKIN CONTACT - ESSENTIALLY NON-IRRITATING ON INTACT SKIN. BORIC ACID CAN CAUSE SLIGHT IRRITATION ON DAMAGED SKIN.

SKIN ABSORPTION - IF LARGE AMOUNT ABSORBED THROUGH THE SKIN BORIC ACID COULD CAUSE SYMPTOMS AS FOR INGESTION.

EYE CONTACT - BORIC ACID CAN BE SLIGHTLY IRRITATING, COULD CAUSE SLIGHT REVERSIBLE CONJUNCTIVITIS.

INHALATION: NUISANCE DUST. MAY CAUSE TRANSITORY SNEEZING AND COUGHING. NITRILOTRIACETIC ACID IS LISTED AS A CARCINOGEN BY NTP, UNDER CONDITIONS OF CRONIC EXPOSURE.

INGESTION - EXCESSIVE INGESTION MUST OCCUR BEFORE ANY HEALTH HAZARD RESULTS. EFFECTS OF OVEREXPOSURE TO BORIC ACID MAY INCLUDE NAUSEA, VOMITING, ERYTHEMA, MACULAR RASH, DIZZINESS AND DEPRESSION.

Exposure Limits:

BORIC ACID **ACGIH TLV**

TWA: 2 mg/m³ 8 HOURS. FORM: DUST

NITRILOTRIACETIC ACID **ACGIH TLV**

TWA: ND

Synergistic Products:

ND

Sensitization / Irritancy:

MAY CAUSE MINOR IRRITATION

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

NITRILOTRIACETIC ACID (NTA) AND ITS SALTS WERE DETERMINED TO BE "POSSIBLY CARCINOGENIC TO HUMANS" (GROUP 2B) BY IARC, A COMPOUND WHICH "MAY REASONABLY BE ANTICIPATED TO BE A CARCINOGEN" BY NTP AND A "SELECT CARCINOGEN" BY OSHA.

BORIC ACID MAY CAUSE BIRTH DEFECTS AND MAY IMPAIR MALE FERTILITY, BASED ON ANIMAL DATA.

PREVENTIVE MEASURES:**Personal Protective Equipment:**

RESPIRATORY - WEAR A DUST MASK TO AVOID INHALATION

EYES - WEAR SPLASH GOGGLES 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:

VACUUM UP DRY AND FLUSH SPILL AREA WITH WATER. DILUTE SOLUTIONS CAN BE FLUSHED WITH COPIOUS AMOUNTS OF WATER OR ABSORBED WITH AN INERT MATERIAL AND CONTAINED FOR DISPOSAL. PREVENT ENTRY INTO WATERWAYS OR SEWERS.

PREVENTIVE MEASURES (continued)

Disposal:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, PROVINCIAL 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 COOL, DRY, WELL VENTILATED AND TIGHTLY CLOSED, SEPARATE ACIDS, ALKALI, REDUCING AGENTS AND 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 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

FEBRUARY 2016

NA - Not Applicable

ND - Not Determined