

MATERIAL SAFETY DATA SHEET

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PRODUCT INFORMATION

Product Identifier **NO-DAMP FUNGICIDE FOR DAMPING OFF** (Agricultural)
PCP No. 3794

Manufacturer's Name PLANT PRODUCTS CO. LTD.
Address 314 ORENDA ROAD
BRAMPTON, ONTARIO
L6T 1G1

Emergency Phone Number CANUTEC 1-613-996-6666

Product Use FUNGICIDE FOR PLANTS

HAZARDOUS INGREDIENTS

Hazardous Ingredients	C.A.S. / N.A. / UN No.	%	LD ₅₀
OXINE BENZOATE	7091-57-8	2.5	> 1000 mg/kg (RAT)
ISOPROPYL ALCOHOL (RAT)	67-63-0	97.5	5840 mg/kg

WHMIS CLASSIFICATION: EXEMPT – PEST CONTROL PRODUCTS ACT

PHYSICAL DATA

Physical State: LIQUID		Odour and Appearance: ALCOHOL ODOUR, CLEAR LIQUID
Odour Threshold (ppm):	ND	Specific Gravity: 0.79
Vapour Pressure (mmHg @ 20°C):	33 mm Hg	Vapour Density (Air=1): 2.07
Evaporation Rate:	3	Boiling Point: 83° C
Freezing Point:	-88° C	Density: ND
pH:	ND	

FIRE AND EXPLOSION HAZARD

Flammability: FLAMMABLE LIQUID

Means of Extinction: WEAR FIRE PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. EXTINGUISH FIRE WITH DRY CHEMICALS, CARBON DIOXIDE OR ALCOHOLIC FOAM. DO NOT USE A DIRECT WATER STREAM. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Flashpoint: TCC 12° C UEL: 12.7% IN AIR LEL: 2% IN AIR

Auto-ignition Temperature: TDG Flammability Class:
FLAMMABLE LIQUIDHazardous Combustion Products:
CARBON MONOXIDE, CARBON DIOXIDE

REACTIVITY DATA

Chemical Stability: STABLE

Incompatibility: STRONG OXIDIZERS, ALKALIS, ALUMINUM, CHLORINE, ACIDS, ALDEHYDES, NITROFORM, ETHYLENE OXIDE, HALOGENS

Conditions of Reactivity: HEAT, SPARKS, OPEN FLAMES

Hazardous Decomposition Products: CO, CO₂

TOXICOLOGICAL PROPERTIES

Route of Entry:

Effects of Acute or Chronic Exposure:

SKIN CONTACT – MAY IRRITATE SKIN WITH PROLONGED OR REPEATED CONTACT. BRIEF EXPOSURE MAY DRY SKIN OR CAUSE STINGING SENSATION.

EYE CONTACT – VAPOURS WILL IRRITATE EYES. MIST AND LIQUID CAN CAUSE EYE DAMAGE AND CORNEAL BURNS.

INHALATION – VAPOURS IRRITATE THROAT AND NOSE. HIGHER CONCENTRATIONS MAY CAUSE HEADACHES, VOMITING AND COMA. PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH. LC₅₀ (RABBIT) FOR ISOPROPYL ALCOHOL IS 16,000 PPM/8 HOURS.

INGESTION – MAY CAUSE NAUSEA, VOMITING, STOMACH CRAMPS, DIARRHEA, UNCONSCIOUSNESS AND DEATH. HUMAN LETHAL DOSE OF ISOPROPYL ALCOHOL IS 250 mL.

Exposure Limits:

TLV ACGIH – 400 PPM (ISOPROPANOL)

Synergistic Products:

NONE KNOWN

Sensitization / Irritancy:

IRRITANT TO SKIN, EYES, NOSE AND THROAT

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

NOT CONSIDERED A CARCINOGEN BY NTP, IARC OR OSHA.

PREVENTIVE MEASURES

Personal Protective Equipment:

SKIN – WEAR IMPERMEABLE GLOVES

INHALATION – USE IN WELL VENTILATED AREA

EYES – WEAR SPLASH GOGGLES WHEN HANDLING CONCENTRATE. DO NOT WEAR CONTACT LENSES.

Engineering Controls: VENTILATE AREA WELL

Leak or Spill Procedure: CONTAIN AND ABSORB ON NONCOMBUSTIBLE INERT MATERIAL. WASH OFF RESIDUE. DISPOSE OF IN AN APPROVED MANNER. KEEP OUT OF SEWERS AND WATERWAYS. EMPTY CONTAINERS MAY CONTAIN VAPOURS.

PREVENTIVE MEASURES (continued)

Disposal: DISPOSE OF CONTAMINATED PRODUCT IN AN APPROVED MANNER. CONSULT LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES.

Handling Procedures and Equipment: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT TAKE INTERNALLY. WEAR IMPERVIOUS GLOVES WHEN HANDLING.

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM HEAT AND COMBUSTIBLE MATERIALS. STORE AWAY FROM SUNLIGHT. STORE AWAY FROM FOOD OR ANIMAL FEEDS.

Shipping Information:

SHIPPING NAME:	ISOPROPANOL SOLUTION	PACKING GROUP:	II
UN NUMBER:	1219	CLASS:	3

FIRST AID MEASURES

SKIN - WASH EXPOSED AREA WITH LOTS OF SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

EYES - FLUSH IMMEDIATELY WITH PLENTY OF COLD WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER EYELIDS OCCASIONALLY. GET PROMPT MEDICAL ATTENTION.

INHALATION - MOVE TO FRESH AIR. GIVE A.R. IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

INGESTION - DO NOT INDUCE VOMITING. SMALL AMOUNTS OF THIS LIQUID DRAWN INTO THE LUNGS FROM SWALLOWING OR VOMITING MAY CAUSE SEVERE HEALTH EFFECTS (BRONCHOPNEUMONIA OR PULMONARY EDEMA). GET MEDICAL ATTENTION IMMEDIATELY.

PREPARATION INFORMATION

Department:	Phone Number:	Date:
TECHNICAL	(905) 793-7000	JUNE 2005

NA - Not Applicable
ND - Not Determined