

## 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 <sub>50</sub>
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, CO<sub>2</sub>

**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. LC<sub>50</sub> (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