

**MATERIAL SAFETY DATA SHEET**

1 of 3

**PRODUCT INFORMATION**

<b>Product Identifier</b>	<b>TRUMPET 80W INSECTICIDE</b> (PCP # 19864)
<b>Manufacturer's Name</b>	PLANT PRODUCTS CO. LTD.
<b>Address</b>	314 ORENDA ROAD BRAMPTON, ONTARIO L6T 1G1
<b>Emergency Phone Number</b>	1-613-996-6666
<b>Product Use</b>	INSECT CONTROL ON ORNAMENTAL PLANTS

**HAZARDOUS INGREDIENTS**

<b>Hazardous Ingredients</b>	<b>C.A.S. / N.A. / UN No.</b>	<b>%</b>	<b>LD<sub>50</sub></b>
BENDIOCARB	CAS 22781-23-3	80	141-250 mg/kg

**WHMIS CLASSIFICATION** EXEMPT - PEST CONTROL PRODUCTS ACT**PHYSICAL DATA**

<b>Physical State:</b>		<b>Odour and Appearance:</b>	
SOLID		WHITE POWDER, ODOURLESS	
<b>Odour Threshold:</b>	NA	<b>Specific Gravity:</b>	NA
<b>Vapour Pressure:</b>	3.5 x 10 (-5) mmHg	<b>Vapour Density:</b>	NOT VOLATILE
<b>Evaporation Rate:</b>	ND	<b>Boiling Point:</b>	NA
<b>Freezing Point:</b>	NA	<b>Density:</b>	0.56 g/mL
<b>pH:</b>	ND	<b>Solubility in H<sub>2</sub>O:</b>	0.024% ai

**FIRE AND EXPLOSION HAZARD****Flammability:****Means of Extinction:**

DRY CHEMICAL, FOAM, CARBON DIOXIDE OR WATER. AVOID INHALATION OF FUMES AND DUST. WEAR SELF-CONTAINED BREATHING APPARATUS. REMOVE FROM AREA OF FIRE AT FIRST OPPORTUNITY. DISPERSION IN AIR OF FINE DUST MAY FORM AN EXPLOSIVE MIXTURE.

**Flashpoint:** NA                      **UEL:** NA                      **LEL:** NA**Auto-ignition Temperature:** ND                      **TDG Flammability Class:****Hazardous Combustion Products:**

WHEN HEATED TO ABOVE 140° C, METHYL ISOCYANATE FUMES ARE PRODUCED. METHYL ISOCYANATE IS RAPIDLY ELIMINATED BY FIRE OR WATER.

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**REACTIVITY DATA**

**Chemical Stability:** STABLE

**Incompatibility:**

**Conditions of Reactivity:** TEMPERATURE ABOVE 140° C AND MOISTURE

**Hazardous Decomposition Products:** METHYL ISOCYANATE

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**TOXICOLOGICAL PROPERTIES**

**Route of Entry:**

**Effects of Acute or Chronic Exposure:**

**SKIN CONTACT** - SLIGHTLY IRRITATING TO THE SKIN. MAY BE ABSORBED BY THE SKIN. NOT CORROSIVE. NOT A SKIN SENSITIZER.

**SKIN ABSORPTION** - DERMAL TOXICITY IS LOW - LD<sub>50</sub> 1000-2000 mg/kg (RATS)

**EYE CONTACT** - NOT KNOWN TO BE IRRITATING TO THE EYES. MAY CAUSE TEMPORARY AND REVERSIBLE CONSTRICTION OF THE PUPIL OF THE EYE.

**INHALATION** - POISONOUS IF INHALED - LC<sub>50</sub> 0.55 mg/L (RAT, 4 HOUR)

**INGESTION** - MAY BE FATAL IF SWALLOWED - LD<sub>50</sub> 141-250 mg/kg (RAT)

EFFECTS ASSOCIATED WITH CHOLINESTERASE INHIBITION MAY INCLUDE: HEADACHE, NAUSEA, TIGHTNESS IN THE CHEST, SWEATING, DIZZINESS, VOMITING, ABDOMINAL CRAMPS, DIARRHEA, SALIVATION, INCONTINENCE, MUSCULAR INCOORDINATION AND TWITCHING, REVERSIBLE LOSS OF VISION AND CONSTRICTION OF PUPILS.

**Exposure Limits:** NO TLV ESTABLISHED BUT W.H.O. -  
RECOMMENDED EXPOSURE LIMIT FOR BENDIOCARB IS 0.2 mg/m<sup>3</sup>

**Synergistic Products:**  
NONE KNOWN

**Sensitization / Irritancy:** NONE-SENSITIZING

**Carcinogenicity:** BENDIOCARB IS NOT LISTED AS CARCINOGENIC BY NTP, IARC OR OSHA

**Teratogenicity / Neurotoxicity / Reproductive Effects:**  
NO EFFECTS

**Mutagenicity:**

NEGATIVE RESULTS IN MOST ASSAYS; HOWEVER, A POSITIVE RESULT WAS SEEN IN THE METAPHASE CHROMOSOME ANALYSIS OF HUMAN LYMPHOCYTES CULTURED IN VITRO IN THE PRESENCE OF METABOLIC ACTIVATION ONLY.

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**PREVENTIVE MEASURES:**

**Personal Protective Equipment:**

**RESPIRATORY** - WEAR A PESTICIDE RESPIRATOR, PROVIDE VENTILATION.

**EYES** - WEAR SPLASH GOGGLES AND FACE SHIELD. DO NOT WEAR CONTACT LENSES.

**SKIN** - WEAR PVC GLOVES, APRONS, BOOTS AND OVERALLS TO PREVENT SKIN CONTACT.

**Engineering Controls:**

VENTILATE TO CONTROL DUST

**Leak or Spill Procedure:**

KEEP UNNECESSARY PEOPLE AWAY AND ISOLATE THE HAZARD AREA. TAKE UP WITH SAND OR OTHER NON COMBUSTIBLE, ABSORBENT MATERIAL AVOIDING FORMATION OF DUST AND PLACE IN A CLEAN CONTAINER AND COVER FOR DISPOSAL. WASH AREAS WITH WATER AND DETERGENT. INFORM AUTHORITIES IF SEWER OR WATERWAYS ARE CONTAMINATED.

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**PREVENTIVE MEASURES** (continued)**Disposal:**

TRIPLE RINSE CONTAINER AND MAKE IT UNSUITABLE FOR FURTHER USE AND DISPOSE OF ACCORDING TO PROVINCIAL REGULATIONS.

**Handling Procedures and Equipment:**

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH CLOTHING AFTER USE. DO NOT BREATHE DUST OR SPRAY MIST.

**Storage Requirements:**

KEEP AWAY FROM CHILDREN. STORE IN A COOL, DRY PLACE AWAY FROM FOOD.

**Shipping Information:**

**SHIPPING NAME:** LTD. QTY., MARINE POLLUTANT, BENDIOCARB 80%

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**FIRST AID MEASURES:**

**SKIN** - WASH AT ONCE WITH SOAP AND WARM WATER.

**EYES** - FLUSH THOROUGHLY WITH CLEAN WATER FOR AT LEAST 15 MINUTES.

**INHALATION** - REMOVE VICTIM TO FRESH AIR, SUPPORT BREATHING AND SEEK MEDICAL ADVICE.

**INGESTION** - GIVE 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

**NOTE TO PHYSICIAN:** CONTAINS ANTICHOLINESTERASE CARBAMATE INSECTICIDE. IN CASE OF OVEREXPOSURE, 2 mg ATROPINE SULFATE SHOULD BE GIVEN AND REPEATED AS NECESSARY UNTIL FULLY ATROPINIZED. MORPHINE CONTRAINDICATED; CONTROL CONVULSIONS WITH 10-20 mg DIAZEPAM INTRAVENOUSLY. MIOSIS DUE TO DIRECT EYE CONTACT WILL REVERSE WITHOUT SPECIFIC TREATMENT.

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**ADDITIONAL INFORMATION:**

THIS PRODUCT IS TOXIC TO FISH, BIRDS AND OTHER WILDLIFE. IT IS HIGHLY TOXIC TO BEES EXPOSED DIRECTLY OR TO RESIDUES ON PLANTS. DO NOT CONTAMINATE WATER BY SPRAYING OR WASHING OUT EQUIPMENT.

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**PREPARATION INFORMATION****Department:**

TECHNICAL

**Phone Number:**

(905) 793-7000

**Date:**

MARCH 2006

NA - Not Applicable

ND - Not Determined