

PRODUCT INFORMATION

Product Identifier	PLANTFUME NICOTINE SMOKE FUMIGATOR PCP # 10640
Manufacturer's Name	PLANT PRODUCTS CO. LTD.
Address	314 ORENDA ROAD BRAMPTON, ONTARIO L6T 1G1
Emergency Phone Number	1-613-996-6666
Product Use	GREENHOUSE INSECTICIDE

HAZARDOUS INGREDIENTS

Hazardous Ingredients	C.A.S. / N.A. / UN No.	%	LD₅₀
NICOTINE ALKALOID	CAS 54-11-5	13.75	0.5 mg/kg
POTASSIUM CHLORATE	3811-04-9	14	70 mg/kg

WHMIS CLASSIFICATION EXEMPT - PCP REGULATED

PHYSICAL DATA

Physical State: SOLID	Odour and Appearance: TAN GRANULES, UNPLEASANT PUNGENT ODOUR
Odour Threshold: NA	Specific Gravity: NA
Vapour Pressure: NA	Vapour Density: NA
Evaporation Rate: NA	Boiling Point: NA
Freezing Point: NA	Density: NA
pH:	

FIRE AND EXPLOSION HAZARD

Flammability: FLAMMABLE

Means of Extinction:
WEAR SELF-CONTAINED BREATHING APPARATUS. DIFFICULT TO EXTINGUISH ONCE IGNITED. COOL UNIGNITED CONTAINERS BY HOSEING WITH WATER. CONTAINERS WILL BURST UNDER EXTREME HEAT. EXTINGUISHING AGENTS CO₂, DRY CHEMICAL, WATER.

Auto-ignition Temperature: 175° C	TDG Flammability Class: FLAMMABLE SOLID
Hazardous Combustion Products: CO, CO ₂ , HCL, P ₂ O ₅ DERIVATIVES, NICOTINE ALKALOID	

REACTIVITY DATA**Chemical Stability:** STABLE IN CLOSED CONTAINER**Incompatibility:** ACIDS, ALKALINES**Conditions of Reactivity:** HIGH TEMPERATURE AND HUMIDITY**Hazardous Decomposition Products:** CO, CO₂, HCL, P₂O₅, NICOTINE

TOXICOLOGICAL PROPERTIES**Route of Entry:****Effects of Acute or Chronic Exposure:****SKIN CONTACT** - VERY TOXIC BY SKIN CONTACT, EVEN ON UNBROKEN SKIN**SKIN ABSORPTION** - EASILY AND QUICKLY ABSORBED BY SKIN**EYE CONTACT** - CAN BE ABSORBED THROUGH EYES**INHALATION** - NICOTINE IS AN EXCEEDINLY FAST ACTING POISON, EASILY ABSORBED BY LUNGS, GASTRO INTESTINAL TRACT AND SKIN. THE LETHAL DOSE FOR AN ADULT IS ABOUT 50 mg. SMALL DOSES CAUSE NAUSEA, VOMITING, DIARRHEA, HEADACHE, DIZZINESS, NEUROLOGICAL STIMULATION, BREATHING, PERSPIRATION AND SALIVATION. LARGE DOSES CAUSE CONVULSIONS, CARDIAC ARRYTHMIAS, UNCONSCIOUSNESS, RESPIRATORY ARREST AND DEATH IS POSSIBLE WITHIN 5 - 10 MINUTES.**INGESTION** - SYMPTOMS AS FOR INHALATION. DEATH FROM POTASSIUM CHLORATE INGESTION MAY OCCUR UP TO ONE WEEK AFTER INITIAL POISONING.**Exposure Limits:**NICOTINE 0.5 mg/m³ (SKIN)**Synergistic Products:**

NOT KNOWN

Sensitization / Irritancy:

NOT KNOWN

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

PREVENTIVE MEASURES:**Personal Protective Equipment:**

EYES - WEAR GOGGLES WHEN OPENING CANS AND WHEN VENTILATING NEXT DAY

SKIN - WEAR GLOVES AND PROTECTIVE CLOTHING WHEN OPENING CANS AND VENTILATING NEXT DAY

RESPIRATORY - WEAR SCBA IF THERE IS EXPOSURE TO SMOKE OR TO LEVELS OF NICOTINE ABOVE EXPOSURE LIMIT OF 0.5 mg/m³. SMOKE IS EXTREMELY TOXIC.**Engineering Controls:**

NO ONE MUST NOT BE PRESENT WHEN SMOKE IS BEING GENERATED.

Leak or Spill Procedure:

ABSORB IN SOIL. SWEEP INTO CONTAINER. DISPOSE OF CONTAINER IN ACCORDANCE WITH FEDERAL AND PROVINCIAL REGULATIONS. DECONTAMINATE SURFACES WITH WATER CONTAINING SOAP, SODA AND DETERGENT.

PREVENTIVE MEASURES (continued)

Disposal:

DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Handling Procedures and Equipment:

OPEN CANS ONLY AS REQUIRED AND USE IMMEDIATELY.

Storage Requirements:

KEEP AWAY FROM HEAT AND AWAY FROM CHILDREN. STORE IN A COOL, DRY AREA.
DO NOT CONTAMINATE FEED OR FOOD STUFFS.

Shipping Information:

SHIPPING NAME – LIMITED QUANTITY

FIRST AID MEASURES:

TREATMENT SHOULD BE GIVEN IMMEDIATELY. CONTACT MEDICAL PERSONNEL IMMEDIATELY.
NOTE TO PHYSICIAN: GIVE 1 AUTOINJECTOR OF ATROPINE IN THE MUSCLE IN THE FRONT OF THE THIGH HALFWAY BETWEEN KNEE AND GROIN. IF BREATHING DIFFICULTIES ARE NOT RELIEVED, GIVE 1 OR 2 ADDITIONAL ATROPINE INJECTIONS WITH 5 - 10 MINUTE INTERVALS, NOT MORE THAN 6 mg UNTIL UNDER MEDICAL CARE. IF NECESSARY GIVE ARTIFICIAL RESPIRATION, OXYGEN.

SKIN - REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED SKIN WITH LARGE AMOUNT OF ACIDIFIED WATER (2% ACETIC ACID).

EYES - FLUSH EYES WITH CLEAR WATER.

INHALATION - SEE FIRST AID MEASURES ABOVE

INGESTION - SEE FIRST AID MEASURES ABOVE. IMMEDIATELY ADMINISTER ACTIVATED CHARCOAL TO INDUCE VOMITNG. REPEAT AFTER VOMITING.

ADDITIONAL INFORMATION: OPEN CAN AWAY FROM BODY. IF CANS ARE “PUFFED UP”, DO NOT OPEN. CONTENTS WILL BE UNDER PRESSURE. FUMIGATIONS MUST BE DONE OVER NIGHT. LOCK GREEN-HOUSE AND POST WARNING SIGNS DURING FUMIGATION. ONCE LIT, NO ONE MAY BE PRESENT UNLESS WEARING SCBA AND FULL PROTECTIVE CLOTHING.

PREPARATION INFORMATION

Department:

Phone Number:

Date:

TECHNICAL

(905) 793-7000

JUNE 2009

NA - Not Applicable
ND - Not Determined