

MATERIAL SAFETY DATA SHEET

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PRODUCT INFORMATION

Product Identifier **PIRLISS 50DF (PCP# 22793)**

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

Emergency Phone Number 1-613-996-6666

Product Use APHICIDE

HAZARDOUS INGREDIENTS

Hazardous Ingredients	C.A.S. / N.A. / UN No.	%	LD ₅₀
PIRIMICARB	23103-98-2	50	100-200 mg/kg (oral, rat) >1000 mg/kg (dermal, rat)

WHMIS CLASSIFICATION: EXEMPT – PCP ACT

PHYSICAL DATA

Physical State:	SOLID	Odour and Appearance:	ODOURLESS, GREEN GRANULES
Odour Threshold (ppm):	ND	Specific Gravity:	ND
Vapour Pressure (mmHg C 20° C):	NEGLIGIBLE	Vapour Density (AM=1):	ND
Evaporation Rate:	ND	Boiling Point:	ND
Freezing Point:	ND	Density (bulk):	400-600 kg/m ³
pH:	SLIGHTLY ALKALINE		

FIRE AND EXPLOSION HAZARD

Flammability:

Means of Extinction: FOR LARGER FIRES USE FOAM. USE CO₂ OR DRY CHEMICAL MEDIA FOR SMALL FIRES. IF ONLY WATER IS AVAILABLE, USE IT IN THE FORM OF A FOG.
WEAR SELF-CONTAINED BREATHING APPARATUS AND SPECIAL PROTECTIVE CLOTHING. WATER SPRAY SHOULD BE USED TO COOL CONTAINERS.

Flashpoint: ND UEL: ND LEL: ND

Auto-ignition Temperature: 550°C TDG Flammability Class: NOT FLAMMABLE

Hazardous Combustion Products: HYDROCARBONS AND OXIDES OF CARBON, SULPHUR, AND NITROGEN.

REACTIVITY DATA

Chemical Stability: STABLE AT ROOM TEMPERATURE.

Incompatibility: STRONG OXIDIZING AGENTS, ALKALIS AND ACIDS.

Conditions of Reactivity: KEEP AWAY FROM HEAT, SPARKS AND FLAME.

Hazardous Decomposition Products: HYDROCARBONS, OXIDES OF CARBON, SULPHUR AND NITROGEN.

TOXICOLOGICAL PROPERTIES

Route of Entry:

Effects of Acute or Chronic Exposure:

SKIN CONTACT - MAY BE DERMALLY ABSORBED. NO EVIDENCE OF IRRITANT EFFECTS FROM NORMAL HANDLING AND USE. PRODUCES SYSTEMIC AND LOCAL EFFECTS BY INTERFERENCE WITH NERVE TRANSMISSION.

EYE CONTACT - MAY CAUSE IRRITATION, REDNESS, VISUAL DISTURBANCE AND POSSIBLE DAMAGE DUE TO ABRASIVENESS. ABSORPTION THROUGH THE EYE MAY PRODUCE SIGNIFICANT SYSTEMIC EFFECTS.

INHALATION - UNLIKELY TO BE HAZARDOUS BY INHALATION BECAUSE OF THE LOW VAPOUR PRESSURE OF THE MATERIAL AT AMBIENT TEMPERATURE. DUST INHALATION, LC₅₀ (rat) 300 mg/m³/ 6hrs (3).

INGESTION - IRRITANT AND CAN CAUSE NAUSEA AND VOMITING.

GENERAL - PIRIMICARB IS AN ORGANOPHOSPHORUS INSECTICIDE WHICH CAN CAUSE CHOLINESTERASE INHIBITION. SYMPTOMS COULD INCLUDE EXCESSIVE SALIVATION AND CONSTRICTION OF PUPILS. AT SUBCHRONIC LEVELS: HEADACHE, DIZZINESS, WEAKNESS, INCOORDINATION, MUSCLE TWITCHING, DIARRHEA AND SWEATING. MAY CAUSE VISUAL DISTURBANCES. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE PERIPHERAL NERVOUS SYSTEM EFFECTS. MAY CAUSE KIDNEY DAMAGE. MAY ALTER BLOOD-CLOTTING TIME. MAY CAUSE SYSTEMIC POISONING.

Exposure Limits: 1 mg/m³, 8 HOUR TWA Synergistic Products: NONE KNOWN

Sensitization / Irritancy: NONE KNOWN

Carcinogenicity: THE INGREDIENTS OF THIS PRODUCT ARE NOT CLASSIFIED AS CARCINOGENIC BY ACGIH OR IARC, NOT REGULATED BY OSHA AND NOT LISTED BY NTP

Teratogenicity / Mutagenicity / Reproductive Effects: NONE KNOWN

PREVENTIVE MEASURES

Personal Protective Equipment:

SKIN - WEAR IMPERVIOUS PROTECTIVE CLOTHING AND GLOVES, APRON AND BOOTS.

INHALATION - WEAR NIOSH APPROVED AIR PURIFYING RESPIRATOR EQUIPPED WITH PESTICIDE CARTRIDGES.

EYES - WEAR CHEMICAL SAFETY GOGGLES. DO NOT WEAR CONTACT LENSES.

Engineering Controls: LOCAL EXHAUST VENTILATION REQUIRED.

Leak or Spill Procedure: WEAR PROTECTIVE CLOTHING. STOP LEAK AND CLEAN UP SPILLS IMMEDIATELY. IN CASE OF MAJOR SPILL: ISOLATE AND BARRICADE AREA AND KEEP BYSTANDARDS AWAY. CONTACT LOCAL GOVERNMENT ENVIRONMENTAL AUTHORITIES AND THE MANUFACTURER FOR ADVICE. FOR SMALL SPILLS: STOP LEAK, ISOLATE AREA AND CONTAIN SPILL, KEEPING IT OUT OF SEWERS AND DRAINS BY DIKING. ABSORB SPILLED MATERIAL ON GRANULAR CLAY OR OTHER SUITABLE ABSORBENT. SWEEP UP AND SHOVEL INTO A DISPOSABLE CONTAINER WHICH MUST BE LABELLED APPROPRIATELY. FOR THE DECONTAMINATION OF HARD SURFACES, WASH AREA WITH DETERGENT AND WATER AND SOAK UP WITH ABSORBENT.

PREVENTIVE MEASURES (continued)

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

Handling Procedures and Equipment: KEEP AWAY FROM CHILDREN. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING VAPOURS. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Storage Requirements: STORE IN A COOL, DRY AND WELL-VENTILATED AREA. KEEP AWAY FROM HEAT, SPARKS AND FLAMES. KEEP UNUSED PRODUCT IN THE CONTAINER, LOCKED UP OUT OF THE REACH OF CHILDREN AND AWAY FROM FOOD. DO NOT EXPOSE SEALED CONTAINERS TO TEMPERATURES ABOVE 40°C.

Shipping Information:

SHIPPING NAME: LIMITED QUANTITY, MARINE POLLUTANT, PIRIMICARB 50%

FIRST AID MEASURES

SKIN - FLUSH SKIN WITH RUNNING WATER FOR A MINIMUM OF 20 MINUTES. START FLUSHING WHILE REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS REPEAT FLUSHING. SEEK MEDICAL ATTENTION IMMEDIATELY.

EYES - IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR A MINIMUM OF 20 MINUTES. HOLD EYELIDS OPEN DURING FLUSHING. IF IRRITATION PERSISTS, REPEAT FLUSHING. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION - REMOVE VICTIM TO FRESH AIR. ONLY GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GIVE CARDIOPULMONARY RESUSCITATION (CPR) IF THERE IS NO BREATHING AND NO PULSE. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION - IF VICTIM IS ALERT AND NOT CONVULSING, RINSE MOUTH OUT AND GIVE 200-300 mL (1 cup) OF WATER TO DILUTE MATERIAL. VOMITING SHOULD ONLY BE INDUCED UNDER THE DIRECTION OF A PHYSICIAN OR A POISON CONTROL CENTRE. IF SPONTANEOUS VOMITING OCCURS, HAVE VICTIM LEAN FORWARD WITH HEAD DOWN TO AVOID BREATHING IN OF VOMITUS, RINSE MOUTH AND ADMINISTER MORE WATER. IMMEDIATELY CONTACT LOCAL POISON CONTROL CENTRE AND GET MEDICAL ATTENTION.

NOTE TO PHYSICIANS: KEEP STRICTLY AT REST AS CONTINUED MOVEMENT ENHANCES THE EFFECT OF CHOLINESTERASE INHIBITION. ATROPINE SULPHATE IS ANTIDOTAL AND SHOULD BE ADMINISTERED *i.v.* (OR *i.m.*, IF *i.v.* INJECTION IS NOT POSSIBLE). PRALIDOXIME SHOULD BE USED IN CASES OF SEVERE POISONING FROM ORGANOPHOSPHATES.

ADDITIONAL INFORMATION

THIS PRODUCT IS A CHOLINESTERASE INHIBITOR. IT IS VERY TOXIC TO AQUATIC ORGANISMS. DO NOT CONTAMINATE ANY BODY OF WATER.

PREPARATION INFORMATION

Department:

Phone Number:

Date:

TECHNICAL

(905) 793-7000

MAY 2003

NA - Not Applicable

ND - Not Determined