

InterProvincial Cooperative Limited

Material Safety Data Sheet

Product: Malathion 2% Dust

IDENTIFICATION & DESCRIPTION

PCP Act Reg. #: 17222
WHMIS STATUS: Controlled
WHMIS CLASS (ES): D2A
PHYSICAL STATE: Solid
APPEARANCE & ODOUR: Tan colored with mercaptan odour
USES: Organophosphate Insecticide
SUPPLIER: INTERPROVINCIAL COOPERATIVE LTD.
ADDRESS: 945 Marion St.
Winnipeg, Manitoba
R2J 0K7
EMERGENCY PHONE NO: (613) 996-6666 (Canutec)

PHYSICAL DATA

SPECIFIC GRAVITY: Not Applicable
VAPOUR DENSITY: Not Applicable
SOLUBILITY IN WATER: Not Applicable
SOLUBILITY IN LIQUIDS: Not Applicable
FREEZING POINT: Not Applicable
% VOLATILE BY VOLUME: Not Applicable
BOILING POINT: Not Applicable
ODOUR THRESHOLD (ppm): Not Applicable
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Applicable
VAPOUR PRESSURE: Not Applicable
EVAPORATION RATE: Not Applicable
PH: Not Applicable

CONTROLLED PRODUCTS LIST

Malathion 2% Dust			
LD50-ORAL:	99999 mg/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	10 mg/m ³	LC50:	Not Established
Non Hazardous			
C.A.S. #:	Not Established	% (W/W):	60 - 100
LD50-ORAL:	Not Established	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established
Malathion Tech			
C.A.S. #:	121-75-5	% (W/W):	1 - 5
LD50-ORAL:	5500 mg/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	10 mg/m ³	LC50:	Not Established

FIRE & EXPLOSION DATA

FLASH POINT & METHOD: Not Applicable
FLAMMABLE LIMITS (% IN AIR): Lower: Not Established Upper: Not Established
AUTOIGNITION TEMPERATURE: Not Established
UNUSUAL FIRE & EXPLOSION HAZARDS: Avoid dispersion of dust in air to reduce potential explosion hazard.
EXTINGUISHING MEDIA: Dry Chemical, foam, Carbon Dioxide, water spray or fog
SPECIAL OXIDIZING MATERIAL HAZARDS: Not Established

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HAZARDOUS COMBUSTION PRODUCTS: Some hazardous phosphorous and/or sulfur products may be formed. Incomplete combustion may lead to formation of carbon monoxide.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed containers or structures. Use self-contained breathing apparatus and protective clothing.

HAZARDOUS REACTIVITY

DECOMPOSITION TEMP: Not Established

STABILITY: Yes.

MATERIALS TO AVOID: Strong oxidizers and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Some hazardous phosphorous and/or sulfur products may be formed. Incomplete combustion may lead to formation of carbon monoxide.

HAZARDOUS POLYMERIZATION OR CONDENSATION: Will not occur.

CONDITIONS TO AVOID: Excessive heat

TOXICOLOGICAL DATA

CHRONIC HEALTH HAZARDS: Prolonged or repeat exposure may lead to kidney or central nervous system symptoms.

MUTAGENICITY DATA: No information is available and no adverse mutagenic effects are anticipated.

CARCINOGENICITY DATA: No information is available and no adverse mutagenic effects are anticipated.

TERATOGENICITY DATA: No information is available and no adverse teratogenic effects are anticipated.

REPRODUCTIVE EFFECTS: No information is available and no adverse reproductive effects are anticipated.

EFFECTS OF OVEREXPOSURE (INHALATION): Cholinesterase inhibition

EFFECTS OF OVEREXPOSURE (EYES): Causes eye irritation.

EFFECTS OF OVEREXPOSURE (SKIN): Causes irritation

EFFECTS OF OVEREXPOSURE (INGESTION): Cholinesterase inhibition

OTHER HEALTH EFFECTS: May cause headache, blurred vision, nervousness, nausea, vomiting, cramps, salivation, dizziness, weakness, respiratory difficulty, muscle twitches, convulsions and loss of reflexes.

PREVENTATIVE MEASURES

STORAGE AND USE: Store in a cool, well-ventilated area. Keep away from heat, sparks and filling of containers. Keep away from children; prevent contact with eyes, and skin, and clothing. Do not store near fertilizers, foodstuffs, seed, insecticides or fungicides. Do not contaminate irrigation ditches or domestic water supplies. If this happens notify police and local authorities.

STEPS TO BE TAKEN IN THE EVENT OF A SPILL, LEAK, OR RELEASE: Sweep up and use according to label if possible. If not, return to labeled container and dispose of according to Waste Disposal Method below

SPECIAL ENGINEERING CONTROLS: Local ventilation

WASTE DISPOSAL METHOD: Dispose of waste materials in an approved incinerator or waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of wastes in local sewer or with normal waste.

EYE PROTECTION: CSA approved safety glasses with side shields or goggles.

RESPIRATORY PROTECTION: In usual cases the MSHA Comfo II Pesticide respirator is recommended.

SKIN PROTECTION (HAND AND ARM): PVC or rubber gloves.

SKIN PROTECTION (FEET): Rubber boots.

SKIN PROTECTION (BODY): Overalls and impermeable apron made from viton.

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OTHER PERSONAL PROTECTION: Recommendations listed above indicate the type of equipment, which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

FIRST AID DATA

FIRST AID (INHALATION): Remove to fresh air. If not breathing, give artificial respiration. Obtain medical attention IMMEDIATELY.

FIRST AID (INGESTION): Unless unconscious or convulsing dilutes material with 1-2 glasses of water or milk. Induce vomiting. OBTAIN MEDICAL ATTENTION IMMEDIATELY. If patient fails to respond to Atropine, then stomach lavage.

FIRST AID (SKIN): Flush skin with running water, and then continue flushing with running water for 5 - 10 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.

FIRST AID (EMERGENCY MEDICAL CARE): This product is an organic phosphate insecticide. If symptoms of cholinesterase inhibition appear, atropine sulphate by injection is antidotal. 2-PAM is also antidotal, but only in conjunction with atropine.

FIRST AID (EYES): In case of contact, immediately flush eyes with plenty of water for 5 - 10 minutes and get medical attention.

OTHER INFORMATION

SPECIAL SHIPPING INFORMATION: Observe applicable shipping and handling regulations.

ADDITIONAL INFORMATION: THE ENCLOSED INFORMATION IS SUPPLIED AS A CUSTOMER SERVICE AND IS PROVIDED IN GOOD FAITH. ALTHOUGH IT HAS BEEN BASED ON DATA DRAWN FROM SOURCES DEEMED TO BE RELIABLE, IPCO CANNOT GUARANTEE ITS ACCURACY AND ASSUMES NO RESPONSIBILITY FOR CONDITIONS RESULTING FROM ITS USE.

TRANSPORT OF DANGEROUS GOODS DATA

SHIPPING NAME: NON-REGULATED
CLASSIFICATION: Not Applicable **P.I.N.:** Not Applicable
PACKING GROUP: Not Applicable

PREPARATION DATA

PREPARATION DATE: 9/01/2009 **PREPARED BY:** Wayne Eastveld
DEPARTMENT: Laboratory
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