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MATERIAL SAFETY DATA SHEET

PRODUCT: Liquid Fruit Tree Spray

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 15416, 24092

Code: 7 50134 0
7 50135 0
7 50137 0

Chemical Name: Ferbam: Ferric dimethyldithiocarbamate

Phosalone: S-(6-Chloro-3-(mercaptomethyl)-2-benzoxazolinone) O,O-diethyl-phosphorodithioate

Synonyms: Phosalone: Zolone

Chemical Family: Dithiocarbamate, Organophosphate

Product Use: Insecticide / Fungicide

TDG Classification: Not Regulated by Road/Rail Transport. Regulated by Marine Transport: Limited Quantity

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Ferbam	15	14484-64-1	Oral,rat >5000	-
Phosalone	4	2310-17-0	Oral,rat 285 Dermal,rabbit >2000	-
Calculated LD 50 for mixture			7125	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 1.115

Boiling Point: Approx. 100 °C

Vapour Pressure: No Data

% Volatiles: Not Applicable

Solubility in Water: Dispersible

Appearance\Odour: Black suspension with musty odour.

pH: No Data

Freezing/Melting Point: Approx. 0 °C

Vapour Density: Not Applicable

Evaporation Rate: Not Applicable

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: Not Applicable

Fire Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide, Water Fog

Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off by diking.

Other Fire or Explosion Hazards: Decomposition products may be flammable.

Autoignition Temperature: Not Applicable

Upper Explosion Limit %: Not Applicable

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Elevated temperatures.

Incompatibility (Materials to Avoid): Strong acids, bases and oxidizers.

Hazardous Decomposition Products: Oxides of nitrogen, sulphur and phosphorus, cyanides, mercaptans, and hydrogen chloride.

Hazardous Polymerization: Will Not Occur

Liquid Fruit Tree Spray

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause Central Nervous System (CNS) Depression. Headache, dizziness, nausea, abdominal cramps, diarrhea and early symptoms. Unconsciousness, convulsions and coma are signs of severe poisoning.

Effects of Chronic Exposure: Phosalone is a Cholinesterase inhibitor. The antidote is atropine.

Other Health Effects: None Known.

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air. Give Artificial Respiration ONLY if required. Give CPR if there is NO breathing AND NO pulse. Obtain medical advice if symptoms persist.

Skin Contact: Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek medical attention.

Ingestion: Give 1 to 2 glasses (200 to 500 ml) of water to dilute material. Do not induce vomiting, seek medical advice. Have victim lean forward with head down to avoid breathing in of vomitus. Do not induce vomiting or give anything by mouth to an unconscious person. OBTAIN MEDICAL ADVICE.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: NIOSH/MSHA approved respirator, if required.

Eye Protection: Chemical goggles.

Skin Protection: Chemical resistant gloves.

Other Personal Protective Equipment: Coveralls.

Engineering Controls: Local exhaust of ventilation.

Handling Procedures and Equipment: Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children and pets.

Storage Temperature: Min: 5 °C Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak, contain spill by diking and absorb with suitable absorbent and transfer into waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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