



MATERIAL SAFETY DATA SHEET

PRODUCT: Dagnet FT - Emulsifiable Concentrate Insecticide

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 24175

Code: 5113600, 5113700

Chemical Name: 3-Phenoxy benyl (1RS) cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate

Synonyms: Permethrin

Chemical Family: Pyrethroid

Product Use: Insecticide

TDG Classification: Regulated by Road/Rail/Marine Transport: Limited Quantity

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Permethrin	36.8	52645-53-1	Oral, rat 806 Dermal, rat >2000	LC50 2.3 mg/L
Calculated LD50 for mixture			2190	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 1.039 @ 20 °C

Boiling Point: No Data

Vapour Pressure: No Data

% Volatiles: Approx. 55 %

Solubility in Water: Emulsifies

Appearance\Odour: Amber liquid with faint/mild petroleum odour

pH: No Data

Freezing/Melting Point: No Data

Vapour Density: Heavier than air

Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: 42.2 °C

Lower Explosion Limit %: No data

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

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

Other Fire or Explosion Hazards: Container may explode under intense heat. Vapour is heavier than air and may flash back from an ignition source.

Autoignition Temperature: No data

Upper Explosion Limit %: No data

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Elevated temperatures.

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

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride and Phosgene.

Hazardous Polymerization: Will Not Occur

SECTION 6 - HEALTH HAZARD DATA

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

Effects of Chronic Exposure: Prolonged exposure may cause dermatitis.

Other Health Effects: Dermal contact with synthetic Pyrethroids can cause sensations such as numbness and tingling, this effect is transient.

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and restore breathing if required. OBTAIN MEDICAL ADVICE.

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 water (200 to 500 ml) to dilute material. Do Not Induce Vomiting. OBTAIN MEDICAL ADVICE. Never give anything by mouth to an unconscious person.

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 or 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: Eliminate all ignition sources. 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: This product is highly toxic to fish and bees. Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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