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MATERIAL SAFETY DATA SHEET

PRODUCT: 3610 ULV Insecticide

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 11540

Code: 5180680

Chemical Name: Pyrethrins

Piperonyl Butoxide - 3,4-Methylenedioxy-6-propylbenzyl n-butyl diethyleneglycol ether

N-Octyl Bicycloheptene Dicarboximide

Synonyms: Pyrethrins - Pyrethrum

Chemical Family: Pyrethrins - Botanical Pyrethroid

Product Use: Insecticide

TDG Classification: Not Regulated

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Pyrethrins	3.0	8003-34-7	Oral, rat 200 Dermal, rat 1800	5 mg/m ³
Piperonyl Butoxide	6.0	51-03-6	Oral, rat 2010	-
N-Octyl Bicycloheptene Dicarboximide	10.0	113-48-4	Oral, rat 4220 Dermal, rabbit >2000	LC50, rat >4.08 mg/L
Petroleum Distillates	75 - 85	64742-47-8	Oral, rat >5000 Dermal, rabbit >3000	300 ppm
Calculated LD50 for Mixture			4900	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 0.865

Boiling Point: 184 to 212 °C

Vapour Pressure: 0.147 KPa @ 20 °C

% Volatiles: 81 %

Solubility in Water: Insoluble

Appearance/Odour: Clear amber liquid,
Hydrocarbon odour

pH: No Data

Freezing/Melting Point: No Data

Vapour Density: 5.4 (Air=1)

Evaporation Rate: 1.1 approx.

SECTION 4 - FIRE AND EXPLOSION

Flash Point: >61 °C T.C.C.

Lower Explosion Limit %: 1.4 %

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

Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and dike the area for runoff.

Other Fire or Explosion Hazards: Container may explode under intense heat. Vapour is heavier than air, may travel along the ground to ignition sources and flash back.

Autoignition Temperature: 227 °C

Upper Explosion Limit %: 9.3 %

3610 ULV Insecticide

SECTION 5 - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Prolonged exposure to elevated temperatures.

Incompatibility (Materials to Avoid): Acidic or alkaline conditions may cause product to decompose.

Hazardous Decomposition Products: Carbon Monoxide and Carbon Dioxide

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause temporary irritation to the eyes, nose, throat and respiratory tract. Prolonged exposure to vapours can cause headache, dizziness, nausea and nervous system depression.

Effects of Chronic Exposure: Prolonged exposure may cause defatting and drying of the skin, possibly progressing to dermatitis.

Other Health Effects: None known

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and restore breathing if required. 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 of water (200 to 500 ml) to dilute material. Do not induce vomiting. OBTAIN MEDICAL ADVICE. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing of vomitus. 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

Eye Protection: Safety Goggles

Skin Protection: Chemical resistant gloves

Other Personal Protective Equipment: Coveralls

Engineering Controls: Source of ventilation

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

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

Storage Temperature: Min: 0 °C Max: 50 °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 containers 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 with household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: This product is toxic to fish and wildlife. Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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