

MATERIAL SAFETY DATA SHEET

PRODUCT: Bug-X® Residual Household Spray

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 24190

Code: 5111030

Chemical Name: Propoxur: 2-(1-Methylethoxy) phenol methylcarbamate

Synonyms: Aprocarb

Chemical Family: Carbamate Insecticide

Product Use: Non-systemic Insecticide

TDG Classification: Not Regulated

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Propoxur	1.0	114-26-1	Oral, rat 50 Dermal, rat >5000	0.5 mg/m ³
Dodecyl Phenol	5-15	27193-86-8	Oral, rat 2100 Dermal, rat 669	-
Petroleum Distillates	75-90	64742-47-8	Oral, rat >5000	300 ppm
Calculate LD50 for mixture			4040	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 0.788

Boiling Point: No Data

Vapour Pressure: No Data

% Volatiles: 99 %

Solubility in Water: Insoluble

Appearance\Odour: Light yellow solution, hydrocarbon odour.

pH: No Data

Freezing/Melting Point: No Data

Vapour Density: No Data

Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: 64 °C T.C.C.

Lower Explosion Limit %: 0.7 %

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

Fire Fighting Procedures: Wear Self-Contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off by diking. Use water spray to cool fire exposed containers or structures.

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 %: 6.0 %

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Elevated temperatures

Incompatibility (Materials to Avoid): Oxidizing and alkaline materials

Hazardous Decomposition Products: Carbon and nitrogen oxides, methyl isocyanate.

Hazardous Polymerization: Will Not Occur

Bug-X® Residual Household Spray

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause irritation to the eyes, nose, throat and respiratory tract. Symptoms of poisoning is increased salivation, blurred vision, constricted pupils, nausea, dizziness, vomiting and diarrhea.

Effects of Chronic Exposure: Prolong exposure may cause dermatitis.

Other Health Effects: Propoxur is a cholinesterase inhibitor. Antidote is Atropine sulfate, administer in large therapeutic doses.

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.

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. If vomiting occurs, lean victim forward with head down to avoid breathing vomitus. 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.

Eye Protection: Safety goggles.

Skin Protection: Chemical resistance 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: 0 °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: Do not contaminate local water supplies or environments. Toxic to bees and fish.

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Prepared by: Technical Department

Issue Date: July 1, 2005