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## 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/m3
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

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