

MATERIAL SAFETY DATA SHEET (MSDS)

***** SECTION I *****

MSDS NUMBER 105620A

June, 2005

US CHEMICAL

316 Hart St. • Watertown, WI 53094 USA

PRODUCT NAME: FLYING INSECT KILLER

PRODUCT HAZARD RATINGS (HMIS®): - Health = 1, Fire = 4,
Reactivity = 0, Protective Equipment = --
(Rating Legend: - 4 = Extreme, 3 = Serious, 2 = Moderate,
1 = Slight, 0 = Minimal, * = Chronic Hazard)

Emergency Phone Number: 1-800-851-7145 Ext. 075 (24 HOURS)

D.O.T. DESCRIPTION: CONSUMER COMMODITY, ORM-D

***** SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION *****

Chemical Names	CAS #	SARA SEC 313	ACGIH TLV-TWA/STEL	OSHA PEL-TWA/STEL	% By Wt.
Pyrethrins	8003-34-7	No	5 mg/m ³ / NE	5 mg/m ³ / NE	0.25
Piperonyl Butoxide	51-03-6	No	None / None	None / None	2.5
Petroleum Distillate	64742-47-8	No	NE / NE	NE / NE	5-15
Liquefied petroleum gas mixture	68476-86-8	No	1000 ppm / NE	1000 ppm / NE	20-30

Balance of ingredients are non-hazardous or below reportable levels.

***** SECTION III - PHYSICAL CHARACTERISTICS *****
PHYSICAL STATE: Liquefied gases and liquid. ODOR: Odor of Petroleum Distillates. APPEARANCE: Light amber opaque milky liquid. pH: 6.5@ 5% in water. PERCENT VOLATILE: Less than 31% VAPOR PRESSURE: Not Available VAPOR DENSITY: Heavier SOLUBILITY IN WATER: Emulsifiable in water. SPECIFIC GRAVITY: .9824 (water=1) VISCOSITY: 3548cP@ 24°C Brookfield on non-volatiles COMMENTS: SPECIFIC GRAVITY: Specific gravity is for the aerosol contents less the compressed gas propellant.

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****
FLASHPOINT AND METHOD: Not Applicable FLAMMABLE CLASS: This aerosol is classified as NON-FLAMMABLE by the flame extension test method described in 16 CFR 1500.45. EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical. HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide and nitrogen oxides. EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F/54.4°C can cause bursting. FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

***** SECTION V - REACTIVITY DATA *****
STABLE: YES HAZARDOUS POLYMERIZATION: NO CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

***** SECTION VI - HEALTH HAZARD DATA *****
EMERGENCY OVERVIEW IMMEDIATE CONCERNS: CAUTION. Contents Under Pressure. Keep Away from heat, sparks and open flame. Do not expose to temperatures above 130°F/54.4°C as bursting may occur. May cause skin, eye and respiratory tract irritation. Harmful if swallowed or absorbed through skin. ALWAYS Wear Safety Glasses and appropriate personal protective equipment when handling this product. Avoid breathing vapors and spray mists of this product. DO NOT puncture or incinerate container. POTENTIAL HEALTH EFFECTS EYES: Can cause temporary irritation, tearing and blurred vision. SKIN: Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis. SKIN ABSORPTION: Harmful if absorbed through skin. INGESTION: Harmful if swallowed. Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, and tremors. INHALATION: Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination. CHRONIC: Not established. TOXICOLOGICAL INFORMATION - ACUTE DERMAL LD50: >2.0 gm/kg Albino rabbit. ORAL LD50: >5.0 gm/kg Albino rat. INHALATION LC50: >2.70 mg / L Rats exposed for 4 hours to test atmosphere. EYE EFFECTS: Produced conjunctival irritation in 3/6 albino rabbit eyes, clearing by 48 hours. SKIN EFFECTS: Produced a primary skin irritation index of 0.21 in albino rabbits. SENSITIZATION: Not considered to be a dermal sensitizer to albino guinea pigs. COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens. In a recent study, marginally higher incidences of benign thyroid, parathyroid, ovary and liver tumors were observed in rats and in lungs of mice following lifetime high dose exposures to pyrethrum. Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for pyrethrum and PBO greatly exceeded potential human exposure from labeled uses. EMERGENCY AND FIRST AID PROCEDURES: EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. SKIN: Remove contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. INGESTION: If swallowed, IMMEDIATELY call a physician or poison control center for treatment advice. Never give anything by mouth to an unconscious person. Do not induce vomiting unless told to do so by a poison control center or doctor. INHALATION: Remove affected person to fresh air. If breathing has stopped, call 911 or an ambulance, then administer artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

***** SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE *****
SMALL SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent. LARGE SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent. ENVIRONMENTAL PRECAUTIONS WATER SPILL: Contains pyrethrin which is toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations. GENERAL PROCEDURES: DO NOT USE THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO SHOCK HAZARD. Do not use near heat, open flame or any ignition source. HANDLING: Contents under pressure do not puncture or incinerate. Do not use near heat or open flame. Wear OSHA-approved safety glasses, goggles or face shield. Avoid breathing vapor or spray mist. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not required when handling this product, but recommended in the absence of proper mechanical ventilation or if necessary to avoid breathing sprays or mists of this product. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label. STORAGE: Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Exposure to temperatures at or above 130°F / 54.4°C may cause bursting. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues.

***** SECTION VIII - EMPLOYEE PROTECTION *****
ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary. PERSONAL PROTECTIVE EQUIPMENT EYES AND FACE: Take prudent precautions to avoid contact with eyes. SKIN: Take prudent precautions to avoid contact with skin and clothing. RESPIRATORY: Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/or mists of this product. In the absence of proper mechanical ventilation or where exposure limits are exceeded, wear a NIOSH-approved organic vapor respirator. WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT OR DRINK OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

***** SECTION IX-OTHER REGULATORY CONTROLS *****
TSCA (TOXIC SUBSTANCE CONTROL ACT) TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

***** SECTION X-TRANSPORTATION (D.O.T. CLASSIFICATION) *****
PROPER SHIPPING NAME: Consumer Commodity PRIMARY HAZARD CLASS/DIVISION: ORM-D

NG: Negligible NA: Not Applicable NE: Not Established UN: Unavailable ND: Not Determined
While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.

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