

## MATERIAL SAFETY DATA SHEET

EPA Reg. No. 33176-21-1658

EPA Est. No. 10807-GA-1

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
<b>NFPA Rating:</b> Health-1; Flammability-2; Reactivity-0; Special-B Distributed by: <b>HILLYARD INDUSTRIES, INC.</b> Address: P. O. BOX 909 Address: St. Joseph, MO 64502			<b>HMIS Rating:</b> Health-1; Flammability-2; Reactivity-0; Personal Protection-B <b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <div style="text-align: center;"><b>FLYING INSECT KILLER</b></div>			
Phone: (816) 233-1321 ext 8285 or http://www.hillyard.com Emergency Response Number: Chemtrec 1-800-424-9300 <b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>			<b>MSDS Number:</b> 413      Revision - 6 Date Prepared: 12/12/97      Prepared By: ES/KD/KG Information Calls: (770) 422-2071			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM DISTILLATE		64742-47-8	No	100	100	d
D-TRANS ALLETHRIN		584-79-2	Yes	N/E	N/E	d
PIPERONYL BUTOXIDE		51-03-6	Yes	N/E	N/E	d
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d
		74-98-6	No	1000	1000	d
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE		113-48-4	No	N/E	N/E	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> N/A		<b>Specific Gravity</b> (H <sub>2</sub> O=1): Concentrate Only = 0.953				
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max. 60		<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/A				
<b>Vapor Density</b> (Air = 1): N/E		<b>Evaporation Rate</b> ( = 1): N/E				
<b>Solubility in Water:</b> Moderate		<b>Water Reactive:</b> No				
<b>Appearance and Odor:</b> Fine mist with floral fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) <b>NON-FLAMMABLE</b>		<b>Auto Ignition Temperature</b> N/E		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E      % UEL: N/E		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A		<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water spray.				
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.		<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.				
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE		<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR				
<b>Incompatibility</b> (Mat. to avoid): Strong oxidizers, alkaline media, heavy metals.		<b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.				
<b>Hazardous Decomposition Products:</b> CO, CO <sub>2</sub> .						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b>						
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects, nausea.						
<b>Eye Contact:</b> Irritation.		<b>Skin Contact:</b> Mild irritation.				
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs. Nausea, dizziness, loss of muscle coordination.						
<b>CHRONIC EFFECTS:</b> None known.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.						
<b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.						
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.						
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.						
<b>Protective Gloves:</b> Latex, if skin easily irritated.		<b>Eye Protection:</b> Safety glasses recommended.				
<b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.						
<b>Other Protective Clothing &amp; Equipment:</b> None						
<b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.						
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Avoid food contamination. Avoid inhalation of spray mist. Avoid water contamination.						

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

**THIS MSDS IS CURRENT AS OF JANUARY 10, 2000.** The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.