

# MATERIAL SAFETY DATA SHEET

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--<br><b>Manufactured For:</b> Hillyard Industries, Inc.<br><b>Address:</b> 302 N. 4 <sup>th</sup> Street<br><b>Address:</b> St. Joseph, MO 64501 |  |   | <b>HMIS Rating:</b> Health-1; Flammability-2; Reactivity-0; Personal Protection-B<br><b>DOT Hazard Classification (post transition):</b> LIMITED QUANTITY<br><b>DOT Haz Classification (pretransition):</b> Consumer Commodity ORM-D<br><b>Identity (trade name as used on label):</b><br><b>FLYING INSECT KILLER</b><br><b>Part# HIL0105854</b> |   |                 |                           |
| <b>Phone:</b> (816)-233-1321 ext. 8285 or http://www.hillyard.com<br><b>Emergency Response Number:</b> Chemtrec 1-800-424-9300<br><b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>                               |  |   | <b>MSDS Number:</b> A00413 <b>Revision-</b> 7a<br><b>Date Prepared:</b> 09/10/01 <b>Prepared By:</b> KG/IB<br><b>Information Calls:</b> (770)422-2071  |   |                 |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION  |  |   |  |   |                 |                           |
| <b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b><br>(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 ALLELETHRIN  |  | 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 (H2O=1):</b> Concentrate Only = 0.953                   |  |   |                 |                           |
| <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max. 60   |  | <b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/A            |  |   |                 |                           |
| <b>Vapor Density (Air = 1):</b> N/E  |  | <b>Evaporation Rate ( = 1):</b> 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><br>N/E                                     |  | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/E      % UEL: N/E |                 |                           |
| <b>FLASH POINT AND METHOD USED (non-aerosols):</b> N/A<br><b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.   |  | <b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water spray. |  |   |                 |                           |
| <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 (Mat. to avoid):</b> Strong oxidizers, alkaline media, heavy metals.  |  | <b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.         |  |   |                 |                           |
| <b>Hazardous Decomposition Products:</b> CO, CO2.  |  |   |  |   |                 |                           |
| SECTION 5 - HEALTH HAZARD DATA   |  |   |  |   |                 |                           |
| <b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS   |  |   |  |   |                 |                           |
| <b>ACUTE EFFECTS:</b>  |  |   |  |   |                 |                           |
| Inhalation: 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.                                       |  |   |                 |                           |
| Ingestion: 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> DO NOT INDUCE VOMITING. 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> KEEP OUT OF REACH OF CHILDREN. 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