

# 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-			<b>HMIS Rating:</b> Health-1; Flammability-2; Reactivity-0; Personal Protection-B		
Manufactured For: NISUS Corp. Address: 100 Nisus Drive Rockford, TN 37853			<b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <div style="text-align: center;"><b>FIREBACK BEDBUG &amp; INSECT SPRAY</b></div>		
Phone: 800-264-0870			<b>MSDS Number:</b> A00442      Revision- First Issue		
<b>DOT EMERGENCY RESPONSE NUMBER:</b> CHEMTREC (800) 424-9300 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			Date Prepared: 9/20/00      Prepared By: CH Information Calls: (770)422-2071		
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (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	N/E	N/E	d
PYRETHRIN	8003-34-7	No	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
PERMETHRIN	52645-53-1	Yes	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 = 0.97		
<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 bland fragrance.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
<b>FLAMMABILITY</b> as per USA/CPSC FLAME PROJECTION TEST (aerosols) <b>NOT-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> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT    OCCUR		
<b>Incompatibility</b> (Mat. to avoid): Strong oxidizers.			<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> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> 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> High concentration of vapors may cause eye and respiratory tract irritation, dizziness, headaches, drowsiness and central nervous system effects.					
<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 large amounts of water for at least 15 minutes. If irritated, seek medical attention.					
<b>Skin Contact:</b> Wash with soap and water. Remove grossly contaminated clothing and launder before re-wearing. 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. ASPIRATION HAZARD! 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 NIOSH/MSHA for organic vapor.					
<b>Protective Gloves:</b> Chemical resistant gloves 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 spilled liquid 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

**THIS MSDS IS CURRENT AS OF April 30, 2010.** 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.