

# Broad Spectrum RESIDUAL PROTECTION

## Bedbug & Insect Spray

- Kills bedbugs
- Kills crawling insects and provides residual protection for up to 3 months.
- Use indoors or outdoors.



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**Nisus**  
CORPORATION  
Green Pest Control Solutions

# FIREBACK BEDBUG & INSECT SPRAY

A Broad Spectrum Insecticide Highly Effective Against Ants, Beetles (Including Carpet, and Ground Beetles), Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, and Other Pests Listed on the Label

## ACTIVE INGREDIENTS:

Pyrethrins..... 0.10%

\*Piperonyl Butoxide, Technical..... 0.50%

\*\*Permethrin..... 0.20%

**INERT INGREDIENTS:** ..... 99.20%

**TOTAL:** ..... 100.00%

\*Equivalent to min. 0.4% (butylcarbityl) (6-propylpiperonyl) ether and 0.1% related compounds. \*\*(3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate.

Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.

EPA Reg. No. 10807-161-64405

- For Residential/Commercial Use
- May be used in Non-Food/Feed Areas of Food/Feed Processing Plants
- Controls Residential Insects
- Kills On Contact • Seeks Out Bugs Where They Hide
- Non-Staining • No Unpleasant Odor
- Water-Based Formula • Protects For Up to 3 Months

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquarium before spraying. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry.

FIRST AID STATEMENTS	
<b>IF INHALED:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

#### PHYSICAL OR CHEMICAL HAZARDS:

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

#### ENVIRONMENTAL HAZARDS:

This product is toxic to fish. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters.

#### DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held. Nonfood areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. Do not use in rooms/areas while occupied by patients, the elderly or infirm. Do not apply to classrooms when in use. Not for use in federally inspected meat and poultry plants.

**SHAKE WELL BEFORE USING!** Remove protection cap, hold container upright and spray from a distance of 12 to 15 inches.

**INDOORS: Cockroaches, Waterbugs, Palmetto Bugs, Silverfish, Firebrats, Crickets, Scorpions, Spiders, Millipedes, Centipedes, Sowbugs and Pillbugs:** Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray whenever possible. Repeat treatment as necessary. **Ants:** Spray trails, nests and points of entry. Spray on ants where possible. Repeat as necessary. **Space Spray:** Spray 20 seconds per 1000 cu. Ft. of space, moving toward the door. Leave room and keep area closed for 15 minutes following treatment. Repeat application weekly or as necessary. Infested stored food products should be disposed of, or treated using an approved product intended for this purpose. **Carpet Beetles:** Spray directly on beetles, floors, baseboards, shelves and carpets. Repeat treatment as necessary. **Bedbugs:** Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Repeat treatment as necessary. Allow all sprayed articles to dry thoroughly before use.

**To control Clothes Moths and Carpet Beetles on wool and other proteinaceous fibers:** Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining.

**Fleas in buildings - Space Spray:** Hold can 36 inches above floor and direct spray toward floor and lower walls at a rate of 10 seconds per 100 sq. ft., making sure that all floor, sofa and chair surfaces are contacted. Leave room and keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment after 7 days or as needed.

**Fleas & Ticks (Adult and Larvae):** Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering, with special attention to cracks and crevices, around baseboards, and window and door frames. Infested upholstered furniture and mattresses may also be treated with this product. A test application should be made to upholstery or drapery fabrics in an inconspicuous place before use.

**To kill Lice and Louse eggs:** Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray each square foot for three seconds. Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all sprayed articles to dry thoroughly before use.

**OUTDOORS:** Not for use on plants being grown for sale or other commercial/seed production, or research purposes. Point spray nozzle away from face. Hold can on slight downward angle. For best results, spray when air is calm. Allow a few minutes for product to take effect. Spray with wind if breeze is blowing.

**FLYING INSECTS: Wasps:** Allow fog to drift over area. Direct spray toward bushes or grass from at least 4 to 6 feet away. Give special attention to breeding areas such as garbage cans and compost piles. Repeat as necessary.

**Mud Daubers and Wasp Nests:** Spray mist directly on insects and their nests from approximately 2 feet away. Contacted insects will fly away from fog. Applications should be made in late evening when insects are at rest. Spray into hiding and breeding places contacting as many insects as possible.

**CRAWLING INSECTS: Ants, Cockroaches, including Asian Cockroaches, Crickets, Mole Crickets, Centipedes, and Silverfish:** Spray infested surface of patio or picnic area, hitting as many insects as possible. Also spray legs of tables and chairs to repel ants. Spray ant hills for best control. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

#### **STORAGE & DISPOSAL:**

**STORAGE:** Store in a cool, dry area. Do not transport or store below 32°F. **CONTAINER DISPOSAL:** Do Not Puncture or Incinerate! IF EMPTY: Place in trash or offer for recycling if available. IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

Manufactured for:



100 Nisus Drive • Rockford, TN 37853  
(800) 264-0870

Nisus is a registered trademark of Nisus Corporation.

Made in the U.S.A.

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# 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): <b style="text-align: center;">FIREBACK BEDBUG &amp; INSECT SPRAY</b>		
Phone: 800-264-0870			<b>MSDS Number:</b> A00442      Revision- First Issue		
<b>DOT EMERGENCY RESPONSE NUMBER:</b> CHEMTREC (800) 424-9300 <b>NOTICE:</b> 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> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] 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> [ 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> 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. <b>ASPIRATION HAZARD!</b> 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> <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 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.