

FIREBACK®

Wasp & Hornet Jet Spray.

DROP THEM FROM A DISTANCE.



Fireback Wasp & Hornet Jet Spray is a broad spectrum aerosol designed to kill wasps, hornets, yellow jackets and other insect pests. It contains a combination of tetramethrin, permethrin and piperonyl butoxide for an insecticidal impact. The formulation is designed to drop the insects' temperatures, giving immediate results. The product has

a high dielectric breakdown voltage of 47,330 volts for safety and can be used both outdoors and indoors in areas like eaves and attics.

Use Fireback Wasp & Hornet Jet Spray indoors and outdoors to protect customers and technicians from wasps and hornets.

- Immediately drops the wasp by lowering its body temperature, then the insecticide kills it.
- Leaves a residual to kill pests returning to the nest.
- Will spray up to 20 feet to reach wasp and hornet nests safely.
- Listed pests include wasps, hornets and yellow jackets as well as other perimeter pests such as ants, centipedes, cockroaches, crickets and ticks, among many others.
- Non-flammable solvent-based insecticide.
- Non-conductive to 47kV.

Visit www.nisuscop.com for the complete line of green products.

100 Nisus Drive ■ Rockford, TN 37853 ■ (800) 264-0870 ■ www.nisuscop.com

Fireback and Nisus are registered trademarks of Nisus Corporation.
©2012 Nisus Corporation.#SS-FBWH-1012a



Green Pest Control Solutions

Fireback®

WASP & HORNET JET SPRAY

EPA Reg. No. 10807-196-64405 EPA Est. No. 10807-GA-1

ACTIVE INGREDIENTS:

*Tetramethrin 0.10%

**Permethrin 0.25%

***Piperonyl Butoxide, Technical 0.50%

OTHER INGREDIENTS† 99.15%

TOTAL 100.00%

*1-cyclohexene-1,2-dicarboximidomethyl 2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate. **((3-phenoxyphenyl) methyl (±) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethyl cyclopropanecarboxylate. Cis/trans ratio: min. 35% (±) cis and max. 65% (±) trans. ***Equivalent to min. 0.4% (butylcarbityl)(6-propylpiperonyl) ether and 0.1% related compounds.

†Contains Petroleum Distillates

- Drops Wasps, Hornets & Yellow Jackets Instantly
- Kills With Residual Action As Wasps & Hornets Return To Nest
- Jet Spray - Will Reach Nests Up To 20 Feet Above Ground
- Contains Synergist Piperonyl Butoxide, Permethrin & Tetramethrin
- Dielectric Breakdown Voltage of 47,300 Volts
- Can Be Used Both Indoors (Attics And Other Places Where Nests Are Built) And Outdoors On Wasp & Hornet Nests
- A Broad Spectrum Insecticide Highly Effective Against Ants, Centipedes, Cockroaches, Crickets, Earwigs, Fleas, Millipedes, Silverfish, Sowbugs, Ticks

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID STATEMENTS: IF IN 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. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. **IF INHALED:** 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. **NOTE TO PHYSICIAN:** Contains petroleum distillates - vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water.

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

DIRECTIONS FOR USE

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

WASPS, HORNETS, YELLOW JACKETS: For best results, spray in early morning or late evening when insect activity is minimal. Stand a safe distance from nest and not directly underneath. Remove protective cap. Hold can upright and point spray opening toward nest with wind at your back. Spray until nest is thoroughly saturated to kill the entire nest population. Residual action will kill wasps and hornets returning to the nest. Wait at least 24 hours before removing the nest. To kill wasps, hornets and yellow jackets under eaves, screens, window frames, doors, patios, cracks, holes or crevices wherever insects are noticed, spray for about 1 - 2 seconds or until surfaces are moist. To prevent entrance of insects into the house, spray around points where insects enter such as outside plumbing, faucets, etc., and cracks and crevices in foundation as well as along sills and ledges. Do not apply to pets or contaminate feed, foodstuff, dishes or utensils. Avoid spraying vegetation directly. Do not use in commercial food/feed handling establishments, restaurants or other sites where food/feed is commercially prepared, processed or served. Not for use in Federally inspected Meat and Poultry Plants.

CRAWLING INSECTS OUTDOORS: Remove all exposed food and cooking utensils. Cover all food handling surfaces or wash thoroughly after treatment and before use. Do not use on edible crops. Point spray nozzle away from face. Hold can on slight downward angle. For best results, spray when air is calm. Spray with wind if breeze is blowing. **PESTS ON OUTSIDE SURFACES OF BUILDINGS:** For control of building infestation due to ANTS, CLOVER MITES, CRICKETS, EARWIGS, MILLIPEDES, and SOWBUGS (PILLBUGS): Spray foundation of building where insects are active and may find entrance up to a height of 2 to 3 feet. Apply as a residual spray to outside surfaces of buildings where insects tend to congregate. Spray areas include (but are not limited to) screens, window frames, eaves, porches, patios, garages and refuse dumps. **CRAWLING INSECTS - ANTS, COCKROACHES** (including ASIAN COCKROACHES), 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. ANTS, LONE STAR TICKS, DOG TICKS, CRICKETS, FLEAS and EARWIGS: Apply thoroughly to infestations in bushes, grass or weeds. For ants, spray freely around ant trails and hills.

STORAGE & DISPOSAL: Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Do not store near heat or open flame. Store in cool dry area away from children. **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 for disposal instructions.

08/04



Exclusively distributed by Nisus Corporation
100 Nisus Drive • Rockford, TN 37853 USA • 800.264.0870

Fireback and Nisus are registered trademarks of Nisus Corporation.
©2012 Nisus Corporation #FB-WHPI-MSDS-0911-SAL072704

MATERIAL SAFETY DATA SHEET

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

IDENTITY AND MANUFACTURER'S INFORMATION					
NFPA Rating: Health-1; Flammability-2; Reactivity-0; Special---		HMIS Rating: Health-1; Flammability-2; Reactivity-0; Personal Protection-B			
Manufactured For: NISUS Corp. Address: 100 Nisus Drive Rockford, TN 37853		DOT Hazard Classification: ORM-D Identity (trade name as used on label): FIREBACK WASP & HORNET Jet Spray			
Phone: 800-264-0870		MSDS Number: A00437		Revision- 4	
DOT EMERGENCY RESPONSE NUMBER: CHEMTREC (800) 424-9300 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA		Date Prepared: 12/18/07		Prepared By: DL/CH/IB	
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	NE	NE	d
CARBON DIOXIDE PROPELLANT	124-38-9	No	5000	5000	d
OTHER ACTIVES INGREDIENTS LESS THAN 1%:					
TETRAMETHRIN	7696-12-0	Yes	NE	NE	d
PERMETHRIN	52645-53-1	Yes	NE	NE	d
PIPERONYL BUTOXIDE	51-03-6	Yes	NE	NE	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A		Specific Gravity (H2O=1): Concentrate Only = .80			
Vapor Pressure: PSIG @ 70°F (Aerosols): 80-90		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): N/E		Evaporation Rate (= 1): N/E			
Solubility in Water: None		Water Reactive: No			
Appearance and Odor: Jet stream spray with petroleum distillate odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NOT CATEGORIZED AS FLAMMABLE		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E	
FLASH POINT AND METHOD USED (non-aerosols): N/A			EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.		
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.					
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.					
SECTION 4 - REACTIVITY HAZARD DATA					
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR		
Incompatibility (Mat. to avoid): Strong oxidizing agents.			Conditions to Avoid: Open flame, welding arcs, heat, sparks.		
Hazardous Decomposition Products: CO, CO2.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS					
ACUTE EFFECTS					
Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, anesthetic effects, nausea, respiratory depression, cholinesterase depression.					
Eye Contact: May cause irritation.			Skin Contact: May cause irritation and mild defatting of skin.		
Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea, vomiting.					
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause cardiac abnormalities, central nervous system depression, lung, kidney, liver damage, inhibits cholinesterase.					
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.					
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.					
Skin Contact: Wash with soap and water. If irritated, seek medical attention.					
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.					
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor.					
Protective Gloves: Rubber, if skin easily irritated.			Eye Protection: Safety glasses recommended.		
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.					
Other Protective Clothing & Equipment: None					
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.					
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.					
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.					
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources.					

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.



100 Nisus Drive • Rockford, TN 37853 USA
www.nisuscop.com • 800-264-0870