

ACCEPTED  
VIA NOTIFICATION  
LABEL NOT REVIEWED

Nov 30, 2016

New York State Department  
of Environmental Conservation  
Division of Materials Management  
Pesticide Product Registration

Doc id: 547531

Classified for  
"RESTRICTED USE"  
in New York State  
under 6NYCRR Part 326



13 fl. oz. Label

**CROSSFIRE®**  
*bed bug concentrate*

**ACTIVE INGREDIENTS:**

Clothianidin .....	4.00%
Metofluthrin .....	0.10%
Piperonyl Butoxide* .....	10.00%
<b>OTHER INGREDIENTS</b> .....	85.90%
	100.00%

\*(butylcarbityl) (6-propylpiperonyl) ether and related compounds  
Contains 0.3409 lb. of Clothianidin, 0.0085 lb. of metofluthrin and  
0.8523 lb. of piperonyl butoxide per gallon of concentrate.

**PRECAUCIÓN AL CONSUMIDOR:** Si usted no lee inglés, no use este  
producto hasta que la etiqueta le haya sido explicada ampliamente.  
**(TO THE USER:** If you cannot read English, do not use this product  
until the label has been fully explained to you.)

**KEEP OUT OF REACH OF CHILDREN**

See inside booklet for First Aid, Precautionary Statements, and Directions for Use

**SHAKE WELL BEFORE EACH USE**

EPA Reg. No. 1021-2776

EPA Est. No. 1021-MN-2<sup>4</sup>, 63416-MN-1<sup>8</sup>,  
70815-GA-1<sup>c</sup>, 228-IL-002<sup>9</sup>

Superscript is the first character of the lot number. 8810 Tenth Avenue North

Rev. 0816-1116

F3071-019

Manufactured By:



8810 Tenth Avenue North  
Minneapolis, MN 55427

**NET CONTENTS 13 FLUID OUNCES**

PULL HERE TO OPEN /PRESS TO RESEAL

PF-107510-2

## FIRST AID

<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li><li>• Call a poison control center for treatment advice.</li></ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

## HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-740-8712.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants, and
- Shoes and socks

### User Safety Requirements

- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Don't reuse them.

### Physical and Chemical Hazards

Do not apply this product in, on or around electrical equipment due to the possibility of shock hazard.

## DIRECTIONS FOR USE

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

### READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

### SHAKE WELL BEFORE EACH USE FOR INDOOR USE ONLY

Crossfire® Bed Bug Concentrate is the next generation insecticide which effectively kills **Bed Bugs** in both residential and commercial buildings and structures. Crossfire Bed Bug Concentrate's patented technology provides residual control for up to four weeks after application and is scientifically formulated to target resistant as well as susceptible **Bed Bug** strains. Crossfire Bed Bug Concentrate also kills **Bed Bug Nymphs** and **Eggs** by contact. This product must be diluted with water and applied according to the mixing instructions below. Apply Crossfire Bed Bug Concentrate as an indoor crack and crevice, or direct spray application in non-food areas including but not limited to: hotels, shelters, modes of transportation, restaurants, schools, nursing homes, warehouses, offices, apartments, motels, kennels, and hospitals. Crossfire Bed Bug Concentrate is an easy to use water-dilutable concentrate for application with handheld, backpack or with a paintbrush. This product will not stain

water-safe fabrics or surfaces, however care should be taken to test an inconspicuous area for staining prior to use.

**TO KILL *Bed Bugs (Adults, Nymphs and Eggs)*:** For best results, vacuuming surfaces is recommended prior to treatment. Spray bed bugs and eggs directly wherever possible. Apply as a pinstream, coarse spray or low pressure spray for crack and crevice, carpet perimeter, and direct spray applications in and around non-food areas where bed bugs and their eggs may hide or harbor. For example, on and around baseboards, floorboards, millwork, bed frames, headboards, wall hangings, furniture, door and window frames, walls, closets, window treatments, beneath floor coverings, as well as other non-washable items that may come in contact with bed bugs such as luggage, shoes and backpacks. If treating a pet's living environment, spray on and around pet beds, bedding, floors, sleeping areas and furnishings. This product can also be applied with a paintbrush to walls, baseboards, floorboards, behind wall hangings and other similar areas.

**MATTRESS APPLICATION:** Crossfire Bed Bug Concentrate can be directly applied to mattress and box springs surfaces. For porous surfaces such as mattresses and carpet perimeter areas, apply until thoroughly damp but not wet. Infested bed linens should not be treated. These should be removed, tightly sealed in a plastic bag, laundered and dried at high temperatures prior to re-use. Vacuuming surfaces prior to treatment is highly recommended.

Using pinstream, coarse or low pressure equipment, spray directly to mattress surface paying special attention to seams, folds, tufts and edges as well as bed frames and box springs where bed bugs harbor. Re-make bed with clean linens prior to reuse.

### USE RESTRICTIONS

- THIS PRODUCT IS NOT FOR USE ON HUMANS OR ANIMALS
- Do not spray product directly on pets.
- Not for broadcast use.
- Do not use in commercial food/feed processing, preparation, food/feed storage or serving areas.
- In the home, all food/feed processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Cover or remove exposed food/feed.
- Remove pets, birds and cover fish aquariums before spraying.
- This product will not stain water-safe fabrics and surfaces, however care should be taken to test an inconspicuous area for staining prior to use.
- DO NOT allow adults, children or pets to enter treated area until sprays are dry.
- DO NOT apply to plants or crops.
- DO NOT treat areas when occupants are present.
- DO NOT apply as a space spray.
- DO NOT wet articles to the point of runoff or drip.
- DO NOT use treated articles until spray has dried.

### MIXING INSTRUCTIONS

Crossfire Bed Bug Concentrate is conveniently packaged in a single dose 13 fl. oz. container. Pour the entire contents of the 13 fl. oz. container into 115 oz. of water to produce exactly 1 finished gallon to treat 1,000 sq. ft.

Dilution in water Active ingredients	13 fl. oz. per Gallon Final percent concentration of active ingredients
Clothianidin	0.40%
Metofluthrin	0.01%
Piperonyl Butoxide	1%
Total percent concentration of actives	1.42%

Pests	Dilution in water	Application Rate of Mixed Solution	Application Method(s)
Bed Bugs	13 fl. oz./ Finished Gallon	1 Gallon/1,000 sq. ft.	Apply as a coarse wet spray • Spot Treatment

To prepare the diluted spray, fill the sprayer tank with half the total water to be used, add the Crossfire Bed Bug Concentrate

then add the remaining water to the spray tank to achieve the final application volume. Close the spray tank and shake thoroughly to ensure proper suspension. For optimal results, solution should be used within 24 hours of being prepared. Spray tank solution should be shaken prior to each use or if application is interrupted. Diluted mixture may be stored overnight.

NOTICE: This product may be tank-mixed with other insecticides. Application must conform to the use directions and precautions of both products. Prior to tank mixing, a small jar compatibility test should be conducted using the proper proportions of each product and water to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store product in its original container. Store in a cool, dry place and avoid excess heat. Keep container tightly closed when not in use. Keep product from freezing. Diluted mixture may be stored overnight.

*(continued)*

### STORAGE AND DISPOSAL

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. In case of spill or leak on floor or paved surfaces, absorb with sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area until proper disposal can be made.

**Pesticide Disposal And Container Handling:** Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat the procedure two more times, then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by other approved State or local procedures.

### NOTICE TO USER

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

Crossfire is a registered trademark of Sumitomo Chemical Co., Ltd.



- Kills All Bed Bug Life Stages: Adults, Nymphs And Eggs
- Prevents Pyrethroid-Resistant And Susceptible Bed Bug Egg Hatch
- Quick Knockdown And Kill

**SHAKE WELL BEFORE EACH USE**

### ACTIVE INGREDIENTS:

Clothianidin	4.00%
Metofluthrin	0.10%
Piperonyl Butoxide*	10.00%

**OTHER INGREDIENTS:** 85.90%  
100.00%

\*(butylcarbityl) (6-propylpiperonyl) ether and related compounds  
Contains 0.3409 lb. of Clothianidin, 0.0085 lb. of metofluthrin and 0.8523 lb. of piperonyl butoxide per gallon of concentrate.

### KEEP OUT OF REACH OF CHILDREN

See inside booklet for First Aid, Precautionary Statements, and Directions for Use  
EPA Reg. No. 1021-2776 EPA Est. No. 1021-MN-2<sup>A</sup>, 63416-MN-1<sup>B</sup>  
Rev. 0816-1116 F3071-019 70815-GA-1<sup>C</sup>, 228-IL-002<sup>D</sup>

Superscript is the first character of the lot number.

**NET CONTENTS 13 FLUID OUNCES**

Patent 8,889,721

Manufactured By:  
8810 Tenth Avenue North • Minneapolis, MN 55427



1 gallon 2 fl. oz.  
(130 fl. oz.) Label



**ACTIVE INGREDIENTS:**

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Metofluthrin.....	0.10%
Piperonyl Butoxide*.....	10.00%

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FIRST AID	
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<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOTLINE NUMBER	
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**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

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**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants, and
- Shoes and socks

**User Safety Requirements**

- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Don't reuse them.

**Physical Or Chemical Hazards**

Do not apply this product in, on or around electrical equipment due to the possibility of shock hazard.

**DIRECTIONS FOR USE**

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**SEE INSIDE BOOKLET FOR DIRECTIONS FOR USE**

**SHAKE WELL BEFORE EACH USE**

Manufactured By:



8810 Tenth Avenue North • Minneapolis, MN 55427

EPA Reg. No. 1021-2776

EPA Est. No. 1021-MN-2<sup>a</sup>,  
63416-MN-1<sup>b</sup>, 70815-GA-1<sup>c</sup>,  
228-IL-002<sup>d</sup>

Rev. 1214-0916

F3071-128

Superscript is the first character of the lot number.

**NET CONTENTS**  
**1 gallon 2 fl. oz. (130 fl. oz.)**

PULL HERE TO OPEN/PRESS TO RESEAL

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Nov 30, 2016

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Division of Materials Management  
Pesticide Product Registration

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FIRST AID	
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#### FOR INDOOR USE ONLY

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**TO KILL *Bed Bugs (Adults, Nymphs and Eggs)*:** For best results, vacuuming surfaces is recommended prior to treatment. Spray bed bugs and eggs directly wherever possible. Apply as a pinstream, coarse spray or low pressure spray for crack and crevice, carpet perimeter, and direct spray applications in and around non-food areas where bed bugs and their eggs may hide or harbor. For example, on and around baseboards, floorboards, millwork, bed frames, headboards, wall hangings, furniture, door and window frames, walls, closets, window treatments, beneath floor coverings, as well as other non-washable items that may come in contact with bed bugs such as luggage, shoes and backpacks. If treating a pet's living environment, spray on and around pet beds, bedding, floors, sleeping areas and furnishings. This product can also be applied with a paintbrush to walls, baseboards, floorboards, behind wall hangings and other similar areas.

**MATTRESS APPLICATION:** Crossfire Bed Bug Concentrate can be directly applied to mattress and box springs surfaces. For porous surfaces such as mattresses and carpet perimeter areas, apply until thoroughly damp but not wet. Infested bed linens should not be treated. These should be removed, tightly sealed in a plastic bag, laundered and dried at high temperatures prior to re-use. Vacuuming surfaces prior to treatment is highly recommended. Using pinstream, coarse or low pressure equipment, spray directly to mattress surface paying special attention to seams, folds, tufts and edges as well as bed frames and box springs where bed bugs harbor. Re-make bed with clean linens prior to reuse.

#### USE RESTRICTIONS

- THIS PRODUCT IS NOT FOR USE ON HUMANS OR ANIMALS
- Do not spray product directly on pets.
- Not for broadcast use.
- Do not use in commercial food/feed processing, preparation, food/feed storage or serving areas.
- In the home, all food/feed processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Cover or remove exposed food/feed.
- Remove pets, birds and cover fish aquariums before spraying.
- This product will not stain water-safe fabrics and surfaces, however care should be taken to test an inconspicuous area for staining prior to use.
- DO NOT allow adults, children or pets to enter treated area until sprays are dry.
- DO NOT apply to plants or crops.
- DO NOT treat areas when occupants are present.
- DO NOT apply as a space spray.
- DO NOT wet articles to the point of runoff or drip.
- DO NOT use treated articles until spray has dried.

#### MIXING INSTRUCTIONS

Crossfire Bed Bug Concentrate is packaged in a 130 fluid ounce container to produce exactly 10 finished gallons (10 doses/treatments). Pour 1l. oz. of the 130 fl. oz. container into 115 ounces of water to produce exactly 1 finished gallon to treat 1,000 sq. ft.

Dilution in water Active ingredients	13 fl. oz. per Gallon Final percent concentration of active ingredients
Clothianidin	0.40%
Metofluthrin	0.01%
Piperonyl Butoxide	1%
Total percent concentration of actives	1.42%

Pests	Dilution in water	Application Rate of Mixed Solution	Application Method(s)
Bed Bugs	13 fl. oz./Finished Gallon	1 Gallon/1,000 sq. ft.	Apply as a coarse wet spray • Spot Treatment

To prepare the diluted spray, fill the sprayer tank with half the total water to be used, add the Crossfire Bed Bug Concentrate then add the remaining water to the spray tank to achieve the final application volume. Close the spray tank and shake thoroughly to ensure proper suspension. For optimal results, solution should be used within 24 hours of being prepared. Spray tank solution should be shaken prior to each use or if application is interrupted. Diluted mixture may be stored overnight.

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### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store product in its original container. Store in a cool, dry place and avoid excess heat. Keep container tightly closed when not in use. Keep product from freezing. Diluted mixture may be stored overnight.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. In case of spill or leak on floor or paved surfaces, absorb with sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area until proper disposal can be made.

**Pesticide Disposal And Container Handling:** Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat the procedure two more times, then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by other approved State or local procedures.

### NOTICE TO USER

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.



- **Kills All Bed Bug Life Stages: Adults, Nymphs And Eggs**
- **Prevents Pyrethroid-Resistant And Susceptible Bed Bug Egg Hatch**
- **Quick Knockdown And Kill**
- **Approved For Direct Application Onto Mattresses**
- **For Use In Residential, Institutional And Commercial Facilities**

**SHAKE WELL BEFORE EACH USE**

### ACTIVE INGREDIENTS:

Clothianidin	4.00%
Metofluthrin	0.10%
Piperonyl Butoxide*	10.00%
<b>OTHER INGREDIENTS:</b>	<b>85.90%</b>
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\* (butylcarbityl) (6-propylpiperonyl) ether and related compounds

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