

DEC 12 1996

Jennifer C. Berth  
AgrEvo Environmental Health  
95 Chestnut Ridge Road  
Montvale, NJ 07645

Dear Ms. Berth:

Subject: Revised Confidential Statements of Formula  
and Amended Labeling  
SBP-1382/Bioallethrin/Piperonyl Butoxide Insecticide  
Concentrate 6.45% + 6.45% + 25.80% Formula I  
EPA Registration Number 432-630  
Submission Dated November 20, 1996

The revised confidential statements of formula referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, are acceptable. The confidential statements of formula (1 basic formulation and 2 alternate formulations, all dated November 20, 1996) have been added to the product file and supercede all previously submitted confidential statements of formula for this product.

The revised labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the following comment:

Add the word Combustible. to the beginning of the Physical and Chemical Hazards Statement.

Submit three copies of revised final printed labeling prior to releasing product for shipment.

If you have any questions or comments, please contact me at (703) 305-6788.

Sincerely yours,

RPK

Richard P. Keigwin, Jr.  
Product Manager 10  
Insecticide-Rodenticide Branch  
Registration Division

**CROSSFIRE® CONCENTRATE 3 with  
SBP-1382®/ESBIOTHRIN®/  
PIPERONYL BUTOXIDE 6.45%+  
6.45%+25.80% FORMULA I**

- \* FOR FORMULATION OF INSECTICIDES ONLY
- \* NOT FOR RESALE UNDER THIS LABEL
- \* CONTAINS 8.32-8.56 lb/gal. OF FORMULATION (997-1,026 g/L)

**ACTIVE INGREDIENTS:**

* Resmethrin .....	6.45%
* d/l-allethrolone d-trans chrysanthemate .....	6.45%
** Piperonyl Butoxide, Technical.....	25.80%
INERT INGREDIENTS:.....	61.30%
	100.00%

♦ ESBIOTHRIN®-Registered trademark of Roussel-UCLAF, Paris, France.  
® Registered Trademark of AgrEvo Environmental Health.  
Min. 72% d-trans-Chrysanthemum monocarboxylic ester of  
d-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one.  
Max 28% Other isomers.

Equivalent to 24.96% (Butylcarbityl)(6-propyl piperonyl) ether and 6.24% related compounds.

\* Cis/trans isomers ratio: max. 30% (±) cis and min. 70% (±) trans.

† AgrEvo Environmental Health's SBP-1382® brand of resmethrin insecticide.

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, 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.)

EPA REG. NO. 432-630

EPA EST. NO.

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. Do not induce vomiting. This product contains aromatic petroleum solvent. Aspiration may be a hazard.

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

See side panel for Additional  
Precautionary Statements

with instructions  
by EPA Label dated

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Net Weight: 432-630

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**PRECAUTIONARY STATEMENTS**

**Hazards To Humans & Domestic Animals**

**CAUTION**

Harmful if swallowed or absorbed through skin. Avoid breathing vapors. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

**Environmental Hazards**

This product is highly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your local State Water Board or Regional Office of the EPA.

**Physical And Chemical Hazards**

Do not use or store near heat or open flame. **FLASHPOINT MINIMUM 100°F (38°C).**

**DIRECTIONS FOR USE**

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

This product is intended for formulating use only. The formulator using this concentrate is fully responsible for obtaining EPA registrations for his formulated products.

This product may be formulated into end-use products intended for the following acceptable uses: Domestic Indoor (household), Domestic Outdoor (Household/Ornamental), Indoor Food Handling Establishments (Edible Product Areas), Non-Commercial Greenhouse Ornamentals, Mosquito Control, Commercial/Industrial Uses, Treatment of animals not intended for Food, and Uncultivated Non-agricultural sites.

**STORAGE & DISPOSAL**

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

**Storage:** Do not store at temperatures below 40°F (4.5°C). If this material has been exposed to temperatures below 40°F (4.5°C), there may be precipitation. Check for crystallization. If evident, warm to 80°F (26.5°C) and thoroughly mix before using. **DO NOT USE OPEN FLAME.**

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** FOR CONTAINERS ONE GALLON AND UNDER: Do not reuse empty container. Wrap container and put in trash.

**FOR CONTAINERS OVER ONE GALLON:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

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Figure 1 illustrates the evolution of a 2D lattice of particles. The diagrams are arranged in a 4x4 grid, showing the progression from a single particle to a chain of four particles. The particles are represented by small circles, and their interactions are indicated by lines connecting them. The diagrams are labeled with numbers 1 through 16 in the bottom right corner of each cell.