

APR 15 1991

Ms. Barbara E. Kairies  
CHEM-TOX, INCORPORATED  
481 Scotland Road  
McHenry, Ill 60050

Dear Ms. Kairies:

Subject: ALLETHRIN Registration Standard label revision  
CHEM-TOX GENERAL PURPOSE SPRAY  
EPA Registration Number 45385-6  
CHEM-TOX FOOD PLANT SPRAY W/D-TRANS ALLETHRIN  
EPA Registration Number 45385-9  
CENOL LIQUID PROFESSIONAL INSECT KILLER  
EPA Registration Number 45385-90  
CHEM-TOX ALLETHRIN FOGGING SPRAY  
EPA Registration Number 45385-3  
Submission dated April 4, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

1. For products 45385-9, 45385-3, and 45385-6, combine the "Related compounds" percentage with the total for inert ingredients. "Related compounds" should not be listed separately as an active ingredient.
2. For products 45385-3, 45385-6, and 45385-90, add the following statement to the "PHYSICAL AND CHEMICAL HAZARDS" section:  

"Do not use this product in or on electrical equipment due to the possibility of shock hazard."
3. For product 45385-3, add the following statement to the Hazards to Humans and Domestic Animals paragraph:  

"In food handling establishments, do not apply while food processing is underway."

4. For product 45385-3, note the correct spelling of "kill" under the directions for horse barns.
5. For product 45385-90, combine the "Other isomers" percentage in the ingredients statement with the total for inert ingredients. Do not list "Other Isomers" separately as an active ingredient.
6. For product 45385-90, check redundant wording in the "ENVIRONMENTAL HAZARDS" statement and correct the spelling of "food processing plants" on the front panel.

Sincerely,



Richard F. Mountfort  
Product Manager 10  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

REREGISTRATION - ALLETHRIN STEREOISOMERS

FOR: Chem-Tox, Inc. McHenry, IL. 60050

Date: 1-3-88  
update: 4-4-91

(( ( FRONT PANEL ))

Net Contents: QTS, 1/2 gal.  
1 gal. 5 gal.  
30 gal. 55 gal.

CENOL  
LIQUID PROFESSIONAL INSECT KILLER

FOR USE IN THE HOME, and NON-FOOD and FOOD AREAS  
FOOD PROCESSING PLANTS, SCHOOLS, WAREHOUSES, OFFICE BUILDINGS,  
HOTELS, MOTELS, KENNELS, and HOSPITALS

RECEIVED  
WITH COMMENTS  
In EPA Letter D-85  
APR 15 1991

ACTIVE INGREDIENTS:

*d-trans chrysanthemum monocarboxylic acid ester of d-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one Other isomers.....	0.1637
**Piperonyl butoxide, technical.....	0.012%
+N-octyl bicycloheptene dicarboxiside.....	0.350%
#INERT INGREDIENTS:.....	0.585%
	98.890%

Total: 100.000%

- \*S-bioallethrin from ESBOL, Roussel-Bio
- \*\*Equivalent to 0.28% (butylcarbityl)(6-propylpiperonyl)ether and  
to 0.07% related compounds.
- +MGK 264, Insecticide Synergist
- # contains Petroleum Distillate - 98.89%

KEEP OUT OF REACH OF CHILDREN (12 pt)  
CAUTION (18 pt)

See side panel for Additional Precautionary Statements.

Chem-Tox, Inc.  
McHenry, IL. 60050010

EPA Reg. No. 45385-90  
EPA Est. No. 45385-IL-01

ORDER CODE: 0-325

NET: \_\_\_\_\_

CENOL LIQUID PROFESSIONAL INSECT KILLER

((SIDE PANEL))

PRECAUTIONARY STATEMENTS (12 pt)

HAZARDS TO HUMANS & DOMESTIC ANIMALS. (12 pt)

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid breathing vapors or spray mist, and provide adequate ventilation of area being treated. Contact with the eyes, skin or clothing should be avoided. Keep away from food, feedstuffs and domestic water supplies. Do not allow children or pets to contact treated surfaces until spray has dried. Remove food before treatment.

In home, food contact surfaces, dishes, and utensils must be washed with an effective cleaning compound followed by a potable water rinse after using this product.

In commercial food handling or storage facilities, food contact surfaces and equipment must be washed with an effective cleaning compound followed by a potable water rinse after using this product; do not apply this product while food processing is underway.

In hospitals, patients should be removed from hospital rooms prior to treatment. Ventilate for 2 hours after treatment. Do not return patients to room until after ventilation.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed - Do not induce vomiting. Call physician or Poison Control Center immediately. If inhaled - remove victim to fresh air. If on skin - remove contaminated clothing and wash affected areas of skin with soap and water. Get medical attention if irritation persists. Wash contaminated clothing separate from other laundry. If in eyes - Flush with plenty of water. Get medical attention if irritation persists. **NOTE TO PHYSICIAN:** Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS (12 pt)

This product is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on the label. streams or ponds. Do not contaminate water by disposal of wastes. Apply this product only as specified on the label.

PHYSICAL AND CHEMICAL HAZARDS (12 pt)

Do not pour, use, spill or store near heat or open flame.

DIRECTION FOR USE

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

STORAGE & DISPOSAL (12 PT)

- DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. STORAGE: Avoid storage conditions that might alter the composition or usefulness of the pesticide, e.g. temperature extremes, excessive moisture or humidity, heat sunlight, friction or contaminating substances or media. Keep pesticide container closed in a cool dry, locked cabinet or room.

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(( ( Side Panel )))

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** For container one (1) gallon and under: Securely wrap original container in several layers of newspaper and discard in trash. For containers over 1 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.

**Terms of Sale or Use on purchase of use of this product:**

**WARRANTY:** Manufacturer and seller warrants that this product, as of the time of sale conforms to the ingredient statement on the label, and is reasonably fit for the purpose set forth in the Directions for Use. Except as so warranted the product is sold as is. Manufacturer makes no other warranty express or implied.

**EXCUSE FROM NON-CONTROLLABLE CONDITIONS:** Because of certain critical conditions created or incurred by buyer or user or over which manufacturer has no control, buyer and user as a condition of purchase or use, assume responsibility for and release manufacturer from liability arising out of handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.

**DIRECTIONS FOR USE con't.**

(( ( BACK PANEL )))

**DOMESTIC DWELLINGS - COMMERCIAL, INSTITUTIONAL, and INDUSTRIAL AREAS (edible) - INDOOR**  
**Contact & Surface Spray:** Apply as a contact and surface spray with a sprayer that will emit coarse wet droplets. For ANTS, CENTIPEDES, COCKROACHES, CRICKETS, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS, and SPIDERS: force spray into cracks and crevices in walls and floors, areas at base of machinery, hidden surfaces under sinks, behind cabinets, stoves and refrigerators, around pipes and openings, along baseboards and other pest harbourages. For ANTS, spray trails and all points of entry into building such as doors and window sills. Spray ant nests directly with a soaking application. Repeat as needed. For exposed form of CONFUSED FLOUR BEETLE, LESSER GRAIN BORER, RICE WEEVIL and SAWTOOTHED GRAIN BEETLE, find and destroy infested packaged goods and remove all other items from pantry. Spray shelves and place clean paper on the shelves and return packages after shelves have dried. Repeat as needed. **Space Spray Treatment:** For ANTS, CARPET BEETLES (including black carpet beetle), CENTIPEDES, COCKROACHES, CRICKETS, EARWIGS, FLEAS, FLIES (including gnats, house fly and mosquitoes), FIREBRATS, MILLIPEDES, MOTHS (including angoumois grain moth, indianmeal moth and webbing clothes moth), PSOCIDS, SOWBUGS, SPIDERS, SILVERFISH, STORED PRODUCT INSECTS (exposed) (including angoumois grain moth, cadelle, confused flour beetle, indianmeal moth, lesser grain bore, rice weevil, mediterranean flour moth, rice weevil, and sawtoothed grain beetle), WASPS: Apply dilutions with mechanical or compressed air sprayer or with fogger that emits droplets of small mass media. Close room and shut off all air conditioning and ventilating equipment. Direct spray upwards towards upper corners of room and ceiling. For WASPS, contact pests directly with spray. Repeat as needed. For ANGOUMOIS GRAIN MOTH and INDIANMEAL MOTH, pay special attention to areas around stored food product containers and darkened areas. Vacate room and leave closed for 15 minutes. For undiluted cold fog, allow room to stay closed for 0.5 hour. Ventilate thoroughly prior to reentry. Sweep up and destroy fallen pests. Repeat as needed.

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CENOL LIQUID PROFESSIONAL INSECT KILLER

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((BACK PANEL))

**CONTENTS TREATMENT:** Before applying this product, test for possible spotting or discoloration of fabric or carpet. For **BED BUGS**, spray mattresses thoroughly, especially around seams and tufts. Spray bedstand, baseboards, floor boards, and wall cracks and crevices. Allow spray to dry before contact. Repeat frequently. For **CARPET BEETLES**, directly spray as many pests as possible. Spray both interior and exterior of upholstered furniture. Both top and undersides of rugs and carpets should be sprayed thoroughly.

**PET SLEEPING QUARTERS:**

**BROWN DOG TICK, FLEAS:** Remove and destroy animals' bedding and spray sleeping quarters freely. Direct spray into cracks and crevices. Allow spray to dry and replace clean bedding. Repeat as needed. Do not spray animals directly.

