

transmitted

JUN 20 1980

Ms. Barbara Kairies  
Cenol Company  
21 N 988 Pepper Rd.  
Barrington, IL 60010

Subject: Cenol Kill Quick 28 Emulsifiable Concentrate  
EPA File Symbol: 419-195  
Revision of label, new uses added.

Dear Ms. Kairies:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable if you make the following changes on your label:

1. Change the statement "Do not contaminate water by cleaning of equipment or disposal of wastes." found in the ENVIRONMENTAL HAZARDS portion of label to the following:  
" Do not contaminate water when disposing of equipment washwaters."
2. Add the following statements to the DIRECTION FOR USE portion of the label with regard to use of this product in hospitals:  
" Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation."

CONCURRENCES

SYMBOL								
SURNAME	Bryley							

3. The following information was received from the U.S. EPA regarding the 0.02% spray solution for plants: "For plants of the type mentioned in the above statement, the 0.02% spray solution should not be used. The similar label for the same product, No. 472-544, contains the 0.02% spray solution statement for plant phytotoxicity statement for indoor house plants. Please note that the 0.02% spray solution referred to in the above plant phytotoxicity statement is a typographical error and should be 0.02%."

4. YOUR company address has changed since the last correspondence regarding this matter. If you have not already done so, please notify the appropriate regulatory personnel of the address change. The address change should be sent to the attention of Air Donner, P.O. Box 100, 1000 1st St. N.E. for the Registration Division, EPA, Washington, D.C. If you need to contact the Agency of this change.

Enclosed copy of the label is being provided for your records.

Very truly yours,

*Philip H. ...*  
 Philip H. ...  
 Registration Division (28 707)

**BEST AVAILABLE COPY**

CONCURRENCES							
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SURNAME							

JUN 20 1989

AMENDED PRODUCT - APPLICATION - FOR E.P.A.

FOR: CENOL COMPANY, Barrington, IL 60010

DATE: 6/01/88

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

(( ( FRONT PANEL )))

Net Contents:  
1 gal. 5 gal.  
30 gal. 55 gal.

419-195

CENOL  
KILL QUICK 2% EMULSIFIABLE CONCENTRATE

TRANSPARENT EMULSION - DILUTABLE CONCENTRATE  
DUAL ACTION INSECT KILLER - KILLS AS SPACE AND  
RESIDUAL SPRAY, KILLS ROACHES UP TO 4 WEEKS

ACTIVE INGREDIENTS:

*Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2:2-diethyl -	
3-(2-methyl-1-propenyl)cyclopropanecarboxylate	2.0% w/w
INERT INGREDIENTS	98.0%
Total	100.0%

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

KEEP OUT OF REACH OF CHILDREN  
WARNING

Have clean water supply at hand in case of an eye  
emergency when diluting this concentrate  
See side panel for additional Precautionary Statements  
and Statement of Practical Treatment

CENOL COMPANY  
Barrington, IL 60010

EPA Reg. No. 419-195  
EPA Est. No. 419-IL-01

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

## CENOL KILL QUICK 2% EMULSIFIABLE CONCENTRATE

(((SIDE PANEL)))

## PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS &amp; DOMESTIC ANIMALS.

**CAUTION:** Harmful if swallowed. Avoid contact with skin or clothing, causes eye irritation. Do not get in eyes. Wash after handling. Avoid breathing vapor. Do not spray on humans. Do not spray where food or drink is exposed or being consumed. Remove pets, birds, and cover fish aquariums before spraying. Do not remain in treated areas. Ventilate the area when treatment is complete.

## STATEMENT OF PRACTICAL TREATMENT

If swallowed - Induce vomiting by sticking finger in back of throat or by administration of syrup of ipecac. Get medical attention.  
 If in eyes - Flush with water for 15 minutes. If irritation develops or persists, get medical attention.  
 For skin: Wash with plenty of soap and water. If irritation develops, get medical attention.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. When used on ships do not wash or flush freshly sprayed surfaces into adjacent waters.

## PHYSICAL AND CHEMICAL HAZARDS

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 &amp; DISPOSAL (12 PT)

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Keep container closed in a locked, cool dry cabinet or room.

**STORAGE:** Do not store this water-base formulation at temperatures below 32°F (0°C). If this material has been exposed to temperatures below 32°F, there may be precipitation. Check for crystallization. If evident, warm to 80°F and thoroughly mix before using.

**PESTICIDE DISPOSAL:** For containers over 1 Gallon: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** For Containers 1 Gallon and Under: Do not reuse empty container. Wrap container and put 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.

CENOL KILL QUICK 2% EMULSIFIABLE CONCENTRATE

(( ( BACK PANEL )))

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.

For use in non-food areas of food handling establishments, in and around premises of commercial, industrial, office, residential, public, institutional and storage buildings, hotels, motels, homes, preschools, nurseries, day camps, seed houses, packaging and processing plants, milk handling areas of milk plants, supermarkets, restaurants, bottling plants, canneries, flour and feed mills, bakeries, boats, ship cabins and hospitals. In hospitals, patients should be removed prior to treatment. Also for use in campers, mobile homes, buses, automobiles, trucks, boxcars and ship cargo holds. Also for use in dog kennels and horse stables. In horse stables, not for application if horses will be used for food. DO NOT USE ON ELECTRICAL EQUIPMENT OR ON SURFACES THAT CAN BE HARMED OR STAINED BY WATER.

Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas where food is exposed. In the home, cover or remove exposed foods. Avoid contamination of cooking utensils and food preparation surfaces.

GENERAL INFORMATION: Use this product to control the pests indicated in the areas listed below by application as a 0.02%, 0.25% or 0.35% emulsion spray. For Contact and Space Sprays use either the 0.25% or 0.35% emulsion sprays. For Residual Sprays use the 0.35% emulsion spray. For plants use only the 0.2% spray to avoid phytotoxic effects. To prepare the spray, dilute this product with water as shown in the following Spray Dilution Chart. Mix well before using. Repeat the treatment as needed.

SPRAY DILUTION CHART

Amount of Spray Mixture Desired	fl. ozs. # of KILL QUICK 2% E.C. TO USE		
	0.02% spray	0.25% spray	0.35% spray
8 fl. oz (237 ml)	1/2 tsp. (2.5 ml)	1 fl. oz (30 ml)	1 1/2 fl. oz (44 ml)
16 fl. oz (473 ml)	1 tsp. (5 ml)	2 fl. oz (57 ml)	3 fl. oz. (89 ml)
32 fl. oz (946 ml)	2 tsp. (10 ml)	4 fl. oz (118 ml)	6 fl. oz. (177 ml)
1/2 gal (1.89 L)	4 tsp. (20 ml)	8 fl. oz (237 ml)	11 1/2 fl. oz (340 ml)
1 gal. (3.79 L)	8 tsp. (40 ml)	16 fl. oz (473 ml)	23 fl. oz (662 ml)

\*NOTE: 1 fl. oz = 2 tablespoonfuls=6 teaspoonfuls=30 milliliters

CENOL KILL QUICK 2% EMULSIFIABLE CONCENTRATE

((BACK PANEL))

SPACE SPRAY - INDOORS

Remove or cover plants. Do not allow the spray to contact plants because of possible injury.

**FLYING INSECTS:** To kill house flies, deer flies, stable flies, gnats, cluster flies, vinegar flies, mosquitoes, fruit flies, flying moth (millers): Apply as a space spray. Mix well before using. Fill spray tank. Adjust pressure and nozzle to deliver a fine mist spray. Close all doors and windows. Point nozzle upward, direct the spray mist to all parts of the room, especially windows and other tight sources which attract these insects. Keep the spray nozzle at all times at least 4 ft. (1.2m) from fabrics to avoid wetting or staining. Fill the room with mist at the dosage of 1 fl. oz per 1000 cu.ft of space (30 ml per 28.3 cu.m). Then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed and before re-entry.

**CRAWLING INSECTS:** To kill fleas, cockroaches, waterbugs, crickets, silverfish, earwigs, spiders, sowbugs, centipedes, millipedes, grain mites and grain insects (adults and accessible stages of confused flour beetles, red flour beetles, saw-toothed grain beetles, cigarette beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moth). Apply as a contact spray. Mix well before using. Fill spray tank with spray dilution. Keep spray nozzle about 8 to 12 inches (20 to 30 cm) from surface to be treated. Adjust pressure and nozzle to deliver a coarse spray with particle size larger than that of the average aerosol. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

**TO KILL SPIDERS:** Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

**TO KILL ANTS:** Spray doors, around window frames, ant trails and hills.

**TO KILL BEDBUGS AND LICE:** Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor pests, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult a professional applicator.

**TO KILL FLEAS AND TICKS ON DOGS, CATS & PREMISES:** Apply directly to animals along back, under forelegs, and on other areas except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about 1 ft. (0.3m) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes or mouth of animal. Repeat within 24 hours of first treatment, if necessary. To reduce reinfestation, thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot at a distance of 12 to 18 inches (30 to 46 cm). Also spray entire surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible.

**TO KILL WASPS, HORNETS, YELLOW JACKETS, BEES:** Application should be made in late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

CENOL KILL QUICK 2% EMULSIFIABLE CONCENTRATE

((BACK PANEL))

RESIDUAL SPRAY - INDOORS: Aids in the control of Cockroaches, Crickets, Silverfish, Ants, Millipedes, Centipedes, Earwigs, Grain mites, Sowbugs, Spiders. Kills for up to 4 weeks. Spray baseboards, cracks and crevices, around door and window frames, and other hiding places such as closets, in back of and under appliances, sinks and cupboards in kitchens and bathrooms. In basements, spray hiding places in cracks and crevices, lower walls and dark places. Apply as a coarse, wet spray in a 4 to 6 inch (10 to 15 cm) band until area is thoroughly wet but not to the point of run-off. Repeat as necessary.

RESIDUAL SPRAY - OUTDOORS To control nuisance pests around buildings, patios and paved areas. Apply as a contact spray using either 0.25% or 0.35% spray dilution. Spray directly on insects. Avoid spraying Turf or Plants.

TO KILL HOUSE FLIES, MOSQUITOES, GNATS, (Midges), DEER FLIES, STABLE FLIES, CLUSTER FLIES, FLYING MOTHS (Millers), FRUIT FLIES: Spray resting areas to reduce annoyance from these pests. Follow precautions listed above. Hold container 18 to 24 inches (46 to 61 cm) from the areas to be treated. Spray these areas with a slow sweeping motion at the rate from 1 to 3 seconds per cubic yard of space (0.76 cu.m) while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

WASPS, HORNETS, YELLOW JACKETS, BEES: Same as directed above for indoor use. Application should be made in the late evening when insects are at rest. Aim spray at nest openings in cracks and crevices which may harbor pests, saturating nest openings and contacting as many insects as possible. Repeat as necessary.

ANTS AND FLEAS: Same as directed above for indoor use.

CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SOUBUGS, CENTIPEDES, AND MILLIPEDES: Same as directed above for indoor use.

FIRE ANTS: Kills and temporarily reduces annoyance of these insects. To reduce annoyance from these ants and keep them from entering homes, spray patios, barbecue areas, driveways, door sills, window sills, other entrance areas, foundations of buildings, ant trails, mounds, around pools and areas where the ants are noticed. Spray until the area is wet contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population for up to four hours. Repeat as necessary. Avoid contacting plants, shrubbery and large areas of lawns.

