

# KELTHANE EC

AGRICULTURAL MITICIDE EMULSIFIABLE LIQUID

FOR AGRICULTURAL USE ONLY OR ONLY  
FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

## KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Precaution: No children should be allowed to use this product until they are old enough to understand the instructions.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Can cause eye injury and skin irritation. Harmful if swallowed, absorbed through the skin or inhaled. Do not get on eyes, on skin or on clothing. Avoid breathing vapors or spray mist. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before re-use.

#### STATEMENTS OF PRACTICAL TREATMENT

**If Swallowed:** Drink one to two glasses of water. Call a physician and have the stomach emptied immediately. Do not induce vomiting or give anything by mouth to an unconscious person. Note to Physician: Because this product contains a chlorinated hydrocarbon insecticide, vomiting is recommended. Probable mucosal damage may contraindicate the use of gastric lavage. Adrenergic amines may cause myocardial irritability in the presence of chlorinated hydrocarbons and convulsions may be a prominent symptom of poisoning. This product contains xylene (petroleum distillate). **If inhaled:** Remove victim to fresh air. Treat the victim symptomatically. Call a physician if problem continues.

**If on Skin:** Wash exposed areas with plenty of soap and water. Irritation persists, call a physician.

**If in Eyes:** Flush eyes with plenty of water for at least 15 minutes. Call a physician.

#### ENVIRONMENTAL HAZARD

This product is toxic to fish. Do not apply directly to lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of waste. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

#### Physical and Chemical Hazards

##### FLAMMABLE

Do not use, pour, spill or store near open flame. Do not use in the vicinity of pilot lights.

### CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

#### ACTIVE INGREDIENT

1:1-Bis(4-chlorophenyl) 2,2,2-trichloroethanol . . . 18.5  
INERT INGREDIENTS . . . . . 81.5\*\*  
Total . . . . . 100.0

\*\*Equivalent to 1.6 lbs. Active Ingredient Per Gallon  
\*\*Contains 15% benzene (petroleum distillate).

EPA Reg. No. 707-59

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#### DIRECTIONS FOR USE

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

### RE-ENTRY AND WORKER PROTECTION STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

#### WARNING

(Insert area or field description) treated with KELTHANE EC miticide on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to KELTHANE EC and describe his condition. For further information see the "Statement of Practical Treatment."

Oral warnings must include the same information that is in the written warnings.

#### GENERAL INFORMATION

KELTHANE EC gives high initial kill against most species of agricultural mites including the following:

apple rust	dryberry	strawberry
Bermuda	European red	(Atlantic)
Bryobia mites	McDane:	Texas citrus
(clover, brown, almond)	Pacific	tomato russet
Carmine	peach silver	tropical
citrus flat	plum nursery	two-spotted
citrus red (purple)	privet	(red spider)
citrus rust	Schoene	Widamette
cyclamen	six-spotted	yellow (carpin)
desert	spruce	Yuma

KELTHANE EC is a specific miticide and will not kill bees and beneficial insect predators when used as directed.

KELTHANE EC can be applied alone or with other pesticides in recommended spray schedules. It should not be used with lime or with materials not compatible with solvent-based pesticide formulations. For further details see special recommendations on this label, then consult current State Agricultural Experiment Station spray schedules or State Extension Service Specialists for additional details on compatibility, dosage, timing and uses.

KELTHANE EC is mixed with water and may be applied with conventional type of concentrate ground sprayers or with aircraft. Follow the dosage rates per acre listed below regardless of the gallonage of the spray applied. The higher dosages suggested are for larger trees or plants or heavier mite populations. Uniform coverage is necessary but the optimum spray gallonage varies with the type of equipment, age and density of the crop plants. Use in 5 to 10 gallons of spray per acre in aircraft.

To avoid excessive residue at harvest do not exceed the maximum dosage per acre, or the time restriction between last application and harvest for each crop group listed in the table below.

ACCEPTED

MAR 31 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 707-59

Directions for Use Continued

**SUMMARY OF DOSAGE RATES AND LIMITATIONS**

CROP	Dosage Qts. per Acre		Qts. Per 100 Galts. Dilute Sprays*	Cut-off Days Before Harvest
	Min	Max		
Alfalfa and Clover (both grown for seed only—use restricted to California, Idaho, Nevada, Oregon, and Washington)	1½	3¼	1½	—
Chestnuts, Filberts				
Hickory Nuts				
Pecans, Walnuts	4	10	1	14
Apples, Crabapples, Pears				
Quinces	4	10	1	7
Beans (dry)	1½	2	—	45
Beans (dry, green, lima)	1	1½	—	7
Beans (dry, green, lima) (California only)	2	2½	—	21
Cantaloupes, Cucumbers, Melons, Pumpkins				
Squash, Watermelons	¾	1	—	2
Cherries	4	6	1	7
Citrus (all)	4	10	1	7
Cotton	2	4	—	14
Grapes, Hops	1½	3	1	7
Mint	2	3	—	30
Peaches, Apricots, Nectarines	4	6	1	14
Plums, Prunes, Figs	4	5	1	7
Raspberries, Caneberries	1½	3	1	2
Strawberries—Two-spotted and similar mites	1	2	2	2
Strawberries—Cyclamen mite	—	6	1½	2
Tomatoes, Peppers	1	2	—	2
Clover mites on buildings	Full Coverage		¼-1	—
Lawn and Turf Grasses	Full Coverage		¼-1	—
Ornamentals, Flowers Nursery, Shade Trees	Full Coverage		¼-1	—

\*Gallonage of spray will vary with size and number of trees or plants per acre and the density of the foliage. In any case, thorough coverage of all parts of the plant is essential for good mite control.

Do not apply to any crop within 2 weeks following sulfur dust or spray.

In general, KELTHANE EC applications should be made as the various mite species begin to appear in threatening numbers and repeated as necessary for adequate seasonal control, except as noted or recommended locally.

**VEGETABLE AND FIELD CROPS**

**ALFALFA AND CLOVER (BOTH GROWN FOR SEED ONLY — USE RESTRICTED TO CALIFORNIA, IDAHO, NEVADA, OREGON AND WASHINGTON)** — For carmine, Pacific, strawberry (Atlantic), and two-spotted mites. Use 1½ to 3¼ quarts of KELTHANE EC per acre in sufficient water for thorough coverage. Apply when mites become active and repeat if necessary. Treated fields are not to be grazed, and crop residues and cuttings are not to be fed to livestock or baled for such use. The fields must be cleared by burning crop residues or by discing into the soil.

**BEANS, CANTALOUPE, CUCUMBERS, HOPS, MELONS, PEPPERS, PUMPKINS, SQUASH (WINTER AND SUMMER), TOMATOES, WATER-MELONS** — Pacific, tomato russet, tropical and two-spotted mites. Apply at first signs of mite buildup and repeat as necessary. Do not feed crop residues to dairy or meat animals.

**COTTON** — Desert, Pacific and two-spotted mites. Use 2 to 4 quarts KELTHANE EC per acre, depending on size of the plant and density of the foliage. Apply with ground sprayers in sufficient water to provide thorough coverage. Begin application when mites are first noticed and repeat if necessary. Do not feed cotton trash to meat or dairy animals.

**MINT** — Peppermint and spearmint for commercial oil production. For control of two-spotted mites use KELTHANE EC at 2 to 3 quarts per acre. Make application when mites become active. Do not apply within 30 days of harvest and do not make more than one application per crop season. Do not feed treated fresh or spent hay to livestock.

**FRUITS AND NUTS**

**APPLES, CRABAPPLES, PEARS, QUINCES** — To clean up clover and European red mites and to control apple rust, McDaniel, Pacific, Schoene two-spotted, Willamette and yellow (carpini) mites. Make application in second to later cover sprays or whenever mite population appears. In areas where the preventive schedule is accepted practice, use two successive applications at 10 to 14 day intervals. Make thorough full coverage application. Note: KELTHANE EC may cause fruit spots on pears under certain conditions and should be used at lower dosages and with caution on this crop. To avoid possible injury do not use more than 10 quarts of KELTHANE EC in late cover sprays. Do not apply to apples, quinces or other fruit formation in California, Washington or Oregon.

**APRICOTS, CHERRIES, FIGS, NECTARINES, PEACHES, PLUMS, PRUNES** — Clover brown almond European red, McDaniel, Pacific, two-spotted, European red, Schoene two-spotted, Willamette and yellow mites. Apply at petal fall to first cover or whenever mite population appears. If repeat application is necessary wait 30 days to avoid excessive residues. Do not apply to fruit and grafter fruit formation in California, Washington or Oregon. Use KELTHANE 35 instead.

**BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES, RASPBERRIES** — Clover brown almond European red, McDaniel, Pacific two-spotted, Willamette and yellow mites. Apply just after bloom or whenever mites appear and repeat if necessary.

**CITRUS (GRAPEFRUIT, KUMQUATS, LEMONS, LIMES, ORANGES, TANGELOS, TANGERINES)** — Citrus flat citrus red (purple) citrus rust, six spotted, Texas citrus and Yuma mites. Follow local timing recommendations.

**GRAPES, CHESTNUTS, FILBERTS, HICKORY NUTS, PECANS, WALNUTS** — Clover brown almond, European red, McDaniel, Pacific, two-spotted, Willamette and yellow mites. Apply just after bloom or whenever mites appear and repeat if necessary. Do not apply to grapes after fruit formation in California, Washington or Oregon. Use KELTHANE 35 instead.

**STRAWBERRIES** — Six-spotted, strawberry (Atlantic) and two-spotted mites. Apply when mites appear and repeat as necessary. For cyclamen mites apply 2 or 3 thorough, high-pressure, drenching sprays (400 gallons per acre) at 10 to 20 day intervals when new growth starts in spring, or use as a spot treatment in infested areas during production season. Do not apply to strawberries after fruit formation in California, Washington or Oregon. Use KELTHANE 35 instead.

**OTHER USES**

**BERMUDAGRASS GROWN FOR SEED** — For control of Banks grass mite, Bermuda, brown and clover mites, use 0.75 to 1 quart per acre. For ground application mix KELTHANE EC in water and apply in full coverage applications at the rate of 40 to 100 gallons per acre depending on density and height of grass stand. For aerial applications apply in sufficient water to provide thorough coverage. Applications should be made as soon as mites appear and repeat applications made in 10 to 15 days if necessary. Do not feed choppings or allow livestock to graze treated areas.

**CLOVER MITES ON BUILDINGS** — Use ¼ to 1 quart KELTHANE EC per 100 gallons. Thoroughly spray outside walls, foundations, windowsills, plants and lawns at base of infested buildings.

**LAWN AND TURF GRASSES** — Bermuda, brown and clover mites. Use ¼ to 1 quart KELTHANE EC per 100 gallons (2 teaspoons per gallon). Apply 2½ gallons dilute spray per 1000 square feet. Make application when mites appear, covering the entire lawn area with a thorough spray and repeat in 10 to 14 days if necessary.

**ORNAMENTALS, FLOWERS, NURSERY STOCK AND SHADE TREES**

For the control of mites common on greenhouse or outdoor plants. Use 1 to 2 pints KELTHANE EC per 100 gallons (1 to 2 tablespoons in 3 gallons) of water. Apply when mites are present and repeat as necessary.

**NOTE:** KELTHANE EC may be used without any spreader-sticker. When necessary to improve the spray coverage on foliage difficult to wet, and to smooth out spray deposits on maturing fruit, TRITON® B-1956® is recommended at 1 to 2 ounces per 100 gallons of spray or equivalent for concentrate sprays. Other suitable pesticide spreader-stickers may also be used, except in situations where TRITON B-1956 is recommended as the only acceptable spreader-sticker.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Keep from freezing. Store at 32°F-110°F.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or residue 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:** Triple rinse (or equivalent) and dispose of in a sanitary landfill or incinerate or if allowed by state and local authorities, burn. If burned, stay out of smoke.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate ignition source. Ventilate area. Avoid breathing vapors. Use MSHA/NIOSH self-contained breathing apparatus or air mask for large spills in confined areas. Dike the spill with inert material (sand, earth, etc.) and transfer the liquid or solid diking material to separate containers for recovery or disposal. Remove contaminated clothing promptly and wash exposed skin area with soap and water. Wash clothing before re-use. Keep spill out of all sewers and open bodies of water. REFER TO PRECAUTIONARY STATEMENTS.

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