

Dow AgroSciences**KELTHANE® 50 WSP****AGRICULTURAL MITICIDE****WETTABLE POWDER****In Water Soluble Pouches****ACTIVE INGREDIENT****DICOFOL**

1,1-Bis(chlorophenyl)-2,2,2-trichloroethanol 50%

INERT INGREDIENTS 50%**TOTAL** 100%

EPA REG. NO. 707-229

8356-B3

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
DANGER/PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water. Do not use milk, cream or other liquids containing vegetable or animal fats. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

NOTE TO PHYSICIAN: Because this product is a chlorinated miticide, vomiting is recommended. The administration of milk or other fat-based demulcents which might enhance absorption is to be avoided. Probable mucosal damage may contraindicate the use of gastric lavage. Epinephrin or other adrenergic amines can cause myocardial irritability in persons poisoned with chlorinated hydrocarbons.

IF INHALED: Remove victim to fresh air. Treat the victim symptomatically. If irritation persists, call a physician.

IF ON SKIN: Wash exposed areas with plenty of soap and water. If irritation persists, call a physician.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****DANGER**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed or inhaled. Avoid breathing dust or spray mist. Harmful if absorbed through the skin. Avoid contact with skin. This product is a skin sensitizer. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)**Applicators and other handlers must wear:**

- Protective eyewear
- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading
- For handling activities, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL SYSTEMS

Applicators (*applicators using this product for agricultural uses only*) MUST be in enclosed cabs or cockpits.

Except as stated below, when handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. Human flaggers MUST be in enclosed cabs.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR

170.240(d)(4-6)]. The handlers' PPE requirements may be reduced or modified as specified in the WPS.

Water-soluble packets when used correctly qualify as a closed loading system under WPS. Handlers preparing for ground applications and handling this product while it is enclosed in intact water-soluble packets in preparation may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron and chemical-resistant gloves. Aerial mixer-loaders must wear full PPE as specified above.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

USER SAFETY RECOMMENDATIONS**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Apply this product only as specified on this label.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **48 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Protective eyewear
- Coveralls
- Waterproof gloves
- Shoes plus socks

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.**

CHEMIGATION

Do not apply this product through any type of irrigation system.

GENERAL USE INFORMATION

KELTHANE 50 WSP Miticide is a wettable powder formulation that gives high initial kill against most species of agricultural mites. KELTHANE 50 WSP Miticide is a specific contact miticide recommended for use on trees, shrubs, foliage plants, listed fruit bearing trees and flowers in outdoor landscapes, nurseries and greenhouses. KELTHANE 50 WSP is a specific miticide and will not kill bees and beneficial insect predators when used as recommended. KELTHANE 50 WSP Miticide is supplied in individual water-soluble pouches containing one-pound of wettable powder.

KELTHANE 50 WSP Miticide may be applied in dilute or concentrate sprays. The amount of KELTHANE 50 WSP used per acre is the same regardless of spray volume. KELTHANE 50 WSP is a contact miticide, not a systemic pesticide. Mites must come in contact with KELTHANE 50 WSP as it is sprayed or be exposed to KELTHANE 50 WSP residues on the leaf and/or fruit surface. Since mites often infest the undersurfaces of leaves and fruits, effective control requires an application that thoroughly and uniformly coats all aerial plant surfaces. For maximum effectiveness, KELTHANE 50 WSP Miticide should be applied to low mite populations.

APPLICATION INFORMATION

HANDLING—The enclosed pouches of KELTHANE 50 WSP Miticide are water-soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.

MIXING—Always place KELTHANE 50 WSP Miticide into solution prior to adding co-applied materials to the spray tank. Add the required number of unopened pouches as determined by the dosage recommendations into the spray tank with agitation. The number of pouches to be added per spray tank load is the pounds per acre specified by the dosage recommendations below, multiplied by the number of acres to be sprayed. Depending on the water temperature and the degree of agitation, the pouches should dissolve completely within approximately five minutes from the time they are added to the water.

COMPATIBILITY—KELTHANE 50 WSP Miticide is compatible with most other commonly used insecticides and fungicides. However, compatibility with all products, formulations and additives available cannot be guaranteed. A compatibility agent such as LATRON AG 44-M® may improve compatibility with some nutritional, fertilizers, etc. Maintain agitation in the spray tank during mixing (loading) and application. Consult State Agricultural Experiment Station spray schedules or State Extension Service Specialists for additional information.

NOTE: KELTHANE 50 WSP Miticide is compatible with boron and spray oils; however, the water-soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

WATER pH—Do not put KELTHANE 50 WSP Miticide in alkaline solutions or mix with lime or lime-containing products. Adjust the pH of the diluent (spray) water to the slightly acidic range (pH 5 to 7) with a pH modifier such as LATRON AG-44M spray adjuvant after adding KELTHANE 50 WSP Miticide to the tank.

ADJUVANTS—KELTHANE 50 WSP Miticide may be used either with or without any additional adjuvants. It is many times beneficial to improve the spray coverage on difficult-to-wet foliage and to smooth out spray deposits on maturing fruit by the addition of a spreader-sticker such as LATRON B-1956.

The following spray adjuvants have been especially formulated to optimize the performance of foliar-applied agricultural chemicals:

LATRON B-1956® A water-dispersible, resin-based nonionic surfactant that resists rewetting and removal by rain. Effective with dilute sprays applied by ground equipment.

LATRON CS-7® A spreader-binder designed specifically for use in concentrate and low-volume sprays applied by aircraft or ground equipment.

Other suitable pesticide spreader-stickers may also be used except in situations where LATRON B-1956 is recommended as the only acceptable spreader-sticker.

GROUND APPLICATION—Apply KELTHANE 50 WSP Miticide as a dilute or concentrate spray with a properly calibrated and maintained sprayer in sufficient water to assure thorough and uniform coverage of foliage and fruit surfaces. All use rates given in pounds KELTHANE 50 WSP Miticide per acre are based on a broadcast acre. If applications are banded, the application rates should be adjusted accordingly.

AERIAL APPLICATION—KELTHANE 50 WSP Miticide may be applied by air in properly calibrated and maintained equipment. For row crops, use a minimum of 5 gallons per acre. For applications in perennial tree crops and vines use a minimum of 10 gallons per acre. Include a suitable spreader-sticker such as LATRON B-1956 or LATRON CS-7.

MITE RESISTANCE MANAGEMENT—Resistance to miticides is common and has been confirmed for virtually all commercial miticides. While resistance to KELTHANE 50 WSP Miticide has been confirmed in some mite species, it has also been conclusively demonstrated that resistance of mites to KELTHANE 50 WSP is unstable. That is, susceptibility to KELTHANE 50 WSP returns if KELTHANE 50 WSP use is discontinued for a short time, usually 1 to 2 years. As a general rule, the utility of KELTHANE 50 WSP can be maintained indefinitely by rotating use of KELTHANE 50 WSP with miticides with different modes of action and by limiting the number of applications of KELTHANE 50 WSP to an average of one per season. If two applications are made in a single growing season, no application should be made the following year.

Resistance management strategies vary from crop to crop and state to state. For additional information contact your State Extension Service Specialists or your local Rohm and Haas field representative.

MITES CONTROLLED

apple rust mite	cyclamen mite	six-spotted mite
Atlantic spider mite	desert spider mite	spruce spider mite
Banks grass mite	European red mite	strawberry spider mite
bermudagrass mite	McDaniel spider mite	tomato russet mite
(couch grass bud mite)	Pacific spider mite	tropical mite
broad mite	pear rust mite	two-spotted spider mite
brown mite	plum nursery mite	Willamette mite
carpini spider mite	plum rust mite	yellow spider mite
clover mite	privet mite	Yuma spider mite
conifer spider mite	Schoene spider mite	

CROP AND DOSAGE REQUIREMENTS

CROP	APPLICATION RATE	COMMENTS	RESTRICTIONS	DAYS FROM LAST APPLICATION TO HARVEST
CUCURBITS (Cantaloupe, Cucumber, melon, pumpkin, watermelon, winter and summer squash)	1 ¼ lbs. per acre.	Apply KELTHANE 50 WSP at the first signs of mite buildup. Because foliage of cucurbit crops is hard to wet, use sufficient carrier (water) volume to provide thorough coverage and use 2 quarts of LATRON B-1956 per 100 gallons of spray mix.	Do not make more than 2 applications per season.	2 days
GRAPES	2 ½ lbs. per acre.	Apply just after bloom or whenever mites appear.	Do not make more than 2 applications per season.	7 days
POMEFRUITS (Apple, Crabapple, Pears, Quince)	Trellised trees or trees 10 ft. tall or less: 3 to 4 lbs. per acre; trees greater than 10 ft. tall: 4 to 6 lbs. per acre.	Use the higher rate in each range for high mite infestation levels, larger trees or more dense foliage. Make applications when mite populations reach threshold levels as specified by Agricultural Experiment Station or State Extension Service Specialists.	Do not make more than 2 applications per season. Do not make back-to-back or alternate row sprays more than 10 days apart.	7 days
STRAWBERRIES	1 to 2 lbs. per acre. For cyclamen mites only: 3 to 4 lbs. per acre.	Apply to low populations when mites first infest the crop. For cyclamen mite apply up to 2 thorough, high-pressure drenching sprays at a 10- to 20-day interval when new growth starts in spring, or use as a spot treatment during production season.	Do not make more than 2 applications per season.	3 days
NON-RESIDENTIAL TURF GRASSES NURSERIES ORNAMENTALS FLOWERS SHADE TREES	HIGH VOLUME SPRAYERS ½ to 1 lb. per 100 gallons* LOW VOLUME SPRAYERS ½ to 1 lb. per acre**	Spray in a manner which ensures penetration of dense foliage and gives uniform and thorough coverage of upper and lower leaf surfaces. Avoid excessive runoff. Make applications when mites first appear and repeat in 5 to 7 days in the South and 10 to 14 days in the North. KELTHANE 50 WSP is generally not phytotoxic to greenhouse grown plants. However, application should be made to a small representative group of plants to ensure that a particular variety grown under current conditions is not unusually sensitive to KELTHANE 50 WSP.	Do not use on residential home lawns or residential ornamentals. Do not make more than two applications per crop or season.	

CROP AND DOSAGE REQUIREMENTS

CROP	APPLICATION RATE		COMMENTS	RESTRICTIONS	DAYS FROM LAST APPLICATION TO HARVEST
	HIGH VOLUME SPRAYERS	LOW VOLUME SPRAYERS			
OUTSIDE SURFACES OF BUILDINGS	½ to 1 lb. per 100 gallons*	½ to 1 lb. per acre**	For control of clover mites, thoroughly spray outside walls, foundations, and windowsills and plants and lawn at the base of infested buildings.		

*Assumes application volume of 100 gallons per acre.

**Assumes application volume of 20 gallons per acre.

STORAGE AND DISPOSAL

STORAGE: The water-soluble pouch may become brittle at storage temperatures below 32°F. but the miticide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. **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: Completely empty bag into application equipment, then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or shovel solid material into a suitable container for recovery or disposal. Keep spills out of all sewers and open bodies of water. REFER TO PRECAUTIONARY STATEMENTS.

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