

ACTIVE INGREDIENT

Avermectin B₁ [A mixture of avermectins containing \pm 80%
avermectin B_{1a} (5-O-demethyl avermectin A_{1a}) and \pm 20%
avermectin B_{1b} (5-O-demethyl-25-de(1-methylpropyl)-25-(1-
methylethyl) avermectin A_{1a})]1.9%

INERT INGREDIENTS.....98.1%

* 1 gallon contains 0.15 pound avermectin B₁

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

See Back Label for Additional Precautionary Statements and Statement of Practical Treatment.

EPA EST. NO. 39578-TX-1
EPA REG. NO. 618-97

Made in U.S.A.

U.S. Pat. 4,310,519

MSD AGVET [logo]
Division of MERCK & CO., INC.
Rahway, New Jersey 07065, U.S.A.

ZEPHYR REG TM MERCK & CO., INC.

2-1/2 GALLONS

REGISTERED
with COMMENTS
in EPA Letter Dated:

Product 68824A

FOR LOT NUMBER SEE BOTTOM OF BOTTLE

MAY 22 1991

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the purpose of labeling and...

618-97

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- BACK SIDE -
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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if inhaled or absorbed through the skin. Do not breathe spray mist. Avoid contact with skin. May be fatal if swallowed. Wear protective clothing including long sleeve shirt, long trousers, rubber gloves, and goggles or face shield when mixing and loading. During spray application, wear long sleeve shirt, long trousers, and rubber gloves. Remove any contaminated clothing and wash before reuse. 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.

STATEMENT OF PRACTICAL TREATMENT

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by gently touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.

If in eyes: Flush eyes with plenty of water. Call a physician immediately.

Recommendations of Medical Treatment for Avermectin B₁ Acute Toxicity:

Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness) and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one half hour of exposure.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since avermectin B₁ is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic avermectin B₁ exposure.

For emergency information, call Merck & Co., Inc. (215) 661-7300 during business hours (8:30 am to 4:30 pm EST) or (215) 661-5000 after hours or weekends.

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ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment, wash water, or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

REENTRY STATEMENT

Do not reenter treated areas until sprays have dried.

PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal (U.S.A.) law to use this product in a manner inconsistent with its labeling.

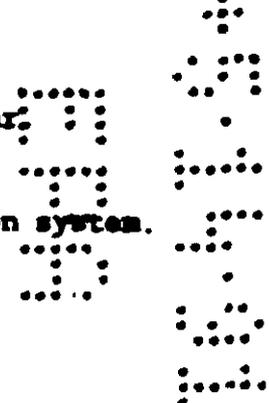
COTTON: ZEPHYR 0.15 EC is an emulsifiable concentrate containing 0.15 lb avermectin B₁ per gallon which, when mixed with water according to the Directions for Use, will control Spider mites (twospotted, carmine, Pacific and Strawberry) on cotton. For control of spider mites on cotton, mix with water and apply at the rates given in the following table:

<u>Spider Mites</u>	<u>Fluid Ounces Per Acre</u>
Twospotted	
Carmine	8 - 16
Pacific	
Strawberry	

Use 8 - 16 fl oz ZEPHYR per acre depending on size of the plant and density of the foliage. Apply with ground sprayers or aeriaily by fixed-wing aircraft or helicopter in a minimum of 5 gallons of water per acre to provide thorough coverage. Begin application when mites are first noticed and repeat if necessary.

USE RESTRICTIONS

- Do not apply more than 48 fl oz ZEPHYR per acre per year.
- Do not apply within 20 days of harvest.
- Do not graze or feed cotton foliage.
- Do not apply this product through any type of irrigation system.



REVISIONS REQUIRED - PENDING EPA APPROVAL

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STORAGE AND DISPOSAL

Storage: Store in a tightly closed container in a cool, dry place.

Prohibitions: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Disposal: Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal (U.S.A.) law. If these wastes cannot be disposed of by the user 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 in an incinerator or landfill approved for pesticide containers.

CONDITIONS OF SALE AND WARRANTY

Notice of Warranty: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MSD AGVET or the Seller. Treatment may not be effective if tolerant strains of spider mites develop. Use of alternate treatments should be considered if treatment with ZEPHYR proves ineffective. All such risks shall be assumed by the buyer.

MSD AGVET warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Buyer assumes all risks of use or handling which are at variance in any way with the directions hereon. MSD AGVET makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall MSD AGVET or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. MSD AGVET and the Seller offer this product and the buyer and user accept it, subject to the foregoing Notice of Warranty which may be varied only by agreement in writing signed by a duly authorized representative of MSD AGVET.

(component number)

