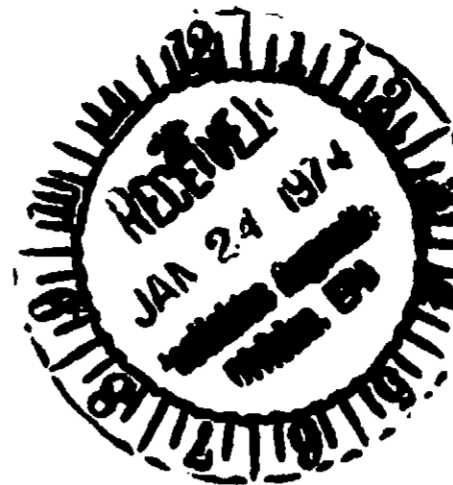


ACCEPTED
 MAR 13 1974
 UNDER FEDERAL PESTICIDE
 FUNGICIDE AND HERBICIDE ACT
 FOR ECONOMIC PEST CONTROL
 REGISTERED UNDER NO. 89-162 SUBJECT
 TO ATTACHED COMMENTS.



HERCULES

DELNAV 8

EMULSIFIABLE SOLUTION
CONTAINS 8 POUNDS / GALLON DELNAV

U.S. PATENT 2,725,328

*Delnav is Hercules Incorporated's registered trademark for the pesticide chemical dioxathion and formulations thereof.

INGREDIENTS

ACTIVE INGREDIENTS:

Dioxathion [2,3-p-dioxanedithiol S,S-bis(O,O-diethyl phosphorodithioate)]	56.4%
Related compounds	24.1%

INERT INGREDIENTS:

TOTAL	100.0%
-------	--------

EPA REGISTRATION NO. 891-162-AA



Read entire label for additional handling precautions. See antidote and warning statements on side panel.

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS — GALLONS U.S. MEASURE

MANUFACTURED FOR
 AGRICULTURAL CHEMICALS • SYNTHETICS DEPARTMENT
HERCULES INCORPORATED
 WILMINGTON, DELAWARE, U.S.A.



FIRST-AID TREATMENT

ANTIDOTE: If swallowed, induce vomiting with warm salty or soapy water. If on the skin, remove contaminated clothing and immediately wash skin with soap and water.

CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. Remove patient immediately from the area where Delnav is present. Have patient lie down and keep quiet. If symptoms or signs of poisoning include loss of appetite, nausea, vomiting, abdominal cramps, diarrhea, excessive sweating, constriction of pupils, blurred vision, giddiness, and restlessness, give two atropine tablets (1/100 grain each) at once.

PHYSICIAN'S NOTE: Warning symptoms include loss of appetite, nausea, vomiting, abdominal cramps, diarrhea, excessive

sweating, constriction of pupils, blurred vision, giddiness, and restlessness.

TREATMENT: Give 2 to 4 mg (1/30 to 1/15 grain) atropine sulfate intravenously. Repeat at 5 to 10-minute intervals until signs of atropinization appear (dry, flushed skin and tachycardia). If excessive secretions occur, keep patient fully atropinized by giving atropine every hour up to 25 to 50 mg in one day. If patient fails to respond satisfactorily to atropine, give 1 gram of 2-PAM intravenously. Never give morphine.

Artificial respiration and oxygen administration may be necessary. Decontaminate skin, stomach, and eyes as indicated. A mild degree of atropinization should be maintained for 24-48 hours and the patient should be observed continuously for 48 hours and treated symptomatically.

DANGER

Poisonous by Skin Contact, Inhalation, or Swallowing. Absorbed Through Skin. Repeated Exposure May, Without Symptoms, Be Increasingly Hazardous. Do Not Breathe Vapors.

Use this material with care. It is a cholinesterase inhibitor. Do not get in eyes or on skin or clothing. Use a respirator approved by the U.S. Bureau of Mines (see below). **Wear clean protective clothing, heavy rubber gloves, and goggles.** Remove contaminated clothing and wash skin thoroughly with soap and water. Wash hands and face before eating or smoking. After use, bathe thoroughly and change to clean clothing.

Wash all contaminated clothing with soap and hot water before reuse.

APPROVED RESPIRATORS

American Optical Company No. 5561 with filter cartridge combination R-561.

Mine Safety Appliances No. CR-72183 with cartridge No. CR-49293 and filter No. 73488.

Mine Safety Appliances No. CR-74910 with inner cartridge No. CR-73841 and outer cartridge No. 73927.

Willson Products, Inc., Agritox Respirator with cartridge No. 11A and filter No. R-490.

BE CAREFUL AND WARN THE USER TO BE CAREFUL

NOTICE TO DRUM HANDLERS: IN CASE OF FIRE, LEAKY OR DAMAGED DRUMS, OR OTHER EMERGENCY — REPORT AT ONCE BY TELEPHONE. COLLECT. TO:

HERCULES INCORPORATED, WILMINGTON, DELAWARE 19899, (AREA CODE 302) 654-8900 FOR EMERGENCY ASSISTANCE.

HERCULES INCORPORATED, WILMINGTON, DELAWARE 19899, (AREA CODE 302) 654-8900 FOR EMERGENCY ASSISTANCE.

DIRECTIONS FOR USE

PEACHES, CHERRIES, PRUNES, PLUMS, AND APRICOTS: For control of mites, use $\frac{3}{4}$ to $\frac{1}{2}$ pint of Delnav 8 Emulsifiable Solution in 100 gallons of water. Do not apply after fruit begins to form or before harvest in order to avoid possible residues on the fruit at harvest.

APPLES, PEARS, AND QUINCES: For control of mites, use $\frac{3}{4}$ to $\frac{1}{2}$ pint of Delnav 8 Emulsifiable Solution in 100 gallons of water in full pink and petal-fall sprays and at 10 to 14-day intervals thereafter as necessary to maintain control. For control of codling moth, apply at a rate of $\frac{1}{2}$ pint of Delnav 8 Emulsifiable Solution per 100 gallons of water, starting 7 to 14 days after petal fall and continuing at 10 to 14-day intervals as required for control. For control of apple maggot, use $\frac{1}{4}$ to $\frac{1}{2}$ pint of Delnav 8 Emulsifiable Solution per 100 gallons of water, starting with the third cover spray (about 4 weeks after petal fall) and repeat at 10 to 12-day intervals as needed to maintain control. Consult your State Agricultural Experiment Station for the best timing of sprays in your area.

Do not make more than 7 applications after fruit is on tree. Do not apply within one week of harvest. Do not feed pomace from treated apples to meat or dairy animals.

CITRUS (orange, grapefruit, lemon, lime, tangelo, and tangerine): For control of citrus thrips, citrus red mite, six-spotted mite, Yuma mite, rust mite, and Texas citrus mite with dilute sprays, use 2 to 4 pints of Delnav 8 Emulsifiable Solution per 500 gallons of water (4 to 8 pints per acre based on two 500-gallon dilute tanks per acre). The 2-pints-per-500-gallon rate should be used, except for the control of unusually heavy infestations. For concentrate sprays, use the same amount of Delnav 8 Emulsifiable Solution per acre that would be used with a dilute application. For aerial application, use 4 to 8 pints of Delnav 8 Emulsifiable Solution in 15 to 30 gallons of water per acre. One application will usually bring mite infestations under control. Do not make applications to oranges, grapefruit, tangelos, and tangerines within 3 months of each other if fruits were present on the tree.

USAGE CAUTIONS

NOT for use or storage in or around the home environment.

ENVIRONMENTAL CAUTIONS

This product is toxic to fish, birds, and wildlife. Keep out of lakes, ponds, and streams.

Birds feeding on treated areas may be killed.

DO NOT apply when weather conditions favor drift from treated area.

at the time of the previous application. Do not apply more than twice a year to lemons and limes. Do not make a second application to lemons and limes within 4 months of the first application.

GRAPES: For control of mites and grape leafhoppers on grapes, use Delnav 8 Emulsifiable Solution at one of the following rates:

One-Half to Three-Quarter-Pound Rate: Use $\frac{1}{2}$ to $\frac{3}{4}$ pound Delnav ($\frac{1}{2}$ to $\frac{3}{4}$ pint of Delnav 8 Emulsifiable Solution) per acre in sufficient water to assure coverage of all parts of the vine. Applications may be made at any time up to 2 weeks before harvest. Do not apply more than two times after berries begin to form.

One-Pound Rate: Use 1 pound Delnav (1 pint Delnav 8 Emulsifiable Solution) per acre in sufficient water to assure coverage of all parts of the vine. Do not make more than 1 application at this rate after berries begin to form. Do not apply less than 30 days before harvest.

ORNAMENTALS: For control of two-spotted mite, European red mite, clover mite, and spruce spider mite on dahlias, roses, hibiscus, juniper, Chinese evergreen, philodendrons, peperomia, dichorsandras, aralia, podocarpus, ferns, staghorn ferns, gladiolus, chrysanthemums, carnations, crotons, seersucker plants, African violets, apiscia, anthurium, and orchids, use $\frac{1}{2}$ pint of Delnav 8 Emulsifiable Solution per 100 gallons of water. A second application may be made 1 week later if necessary.

DO NOT pick, transplant, or otherwise handle plants for 24 hours following treatment.

WALNUTS: For control of mites on walnuts, use $\frac{1}{2}$ pint to 1 pint of Delnav 8 Emulsifiable Solution in 100 gallons of water. Apply at the rate of 400 to 800 gallons per acre to assure thorough coverage of all foliage. Do not apply more than $\frac{1}{2}$ gallon per acre per application. Treat when damaging numbers of mites are found. Do not spray after husks begin to open to avoid possible residues on the nuts at harvest.

DO NOT graze or feed cover crops grown in fruit or nut orchards.

DO NOT apply where runoff is likely to occur.

DO NOT contaminate water by cleaning of equipment or disposal of wastes.

Apply this product only as specified on this label.

NONWARRANTY Hercules warrants that this product conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this product is reasonably fit for its intended purpose. Since timing, method of application, weather, plant and soil conditions, mixture with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.