

239-1721

7-2-75

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Chevron Chemical Co. Ortho Division  
940 Hensley Street  
Richmond, CA. 94801

Gentlemen:

Subject: <sup>2</sup> DIBROM 14 CONCENTRATE  
EPA Reg. No. 239-1721  
Application of June 3, 1975

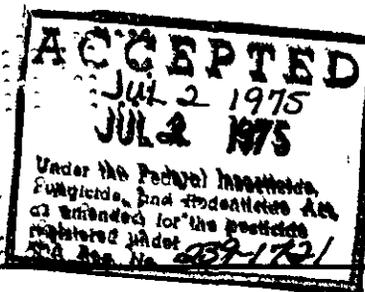
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, and a stamped copy is enclosed for your records.

Sincerely,

Franklin D. R. Gee  
Product Manager (10)  
Insecticide-Rodenticide Branch  
Registration Division (WH-567)

Enclosure

# DIBROM® 14 Concentrate



# ORTHO

## (INSECTICIDE)

|  |        |
|--|--------|
| Active Ingredient  | By Wt. |
| Naled*   | 85%    |
| Inert Ingredients  | 15%    |
| *1,2-dibromo-2,2-dichloroethyl dimethyl phosphate                              |        |
| Contains 14 pounds technical naled per gallon equivalent to 12.6 pounds naled. |        |
| U.S. Pat. No. 2,971, 882   |        |

**DANGER: KEEP OUT OF REACH OF CHILDREN.**

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

KEEP PESTICIDE IN ORIGINAL CONTAINER. DO NOT PUT CONCENTRATE OR DILUTE INTO FOOD OR DRINK CONTAINERS. FLUSH WITH AROMATIC SOLVENT AND DESTROY CONTAINER WHEN EMPTY.

ORTHO DIBROM 14 Concentrate is a special formulation for use undiluted or diluted in diesel oil to be applied for the control of mosquitoes, house flies and certain other nuisance insects. This product cannot be diluted with water. If crystallization occurs, warm to 70° until crystals disappear.

**SPECIAL MIXING DIRECTIONS:** The use of ORTHO DIBROM 14 Concentrate and some grades of diesel fuel may result in precipitates which cause nozzle clogging and operational difficulties. To prevent this, ORTHO DIBROM 14 Concentrate should be used with ORTHO Additive. See ORTHO Additive label for recommended rates.

A technical bulletin, Operating Manual for Ultra Low Volume Application of ORTHO DIBROM 14 Concentrate, is available for detailed information on equipment for ULV applications.

### DIRECTIONS

**ADULT MOSQUITO CONTROL** in Residential Areas, Municipalities, Tidal Marshes, Swamps, Woodlands, Livestock Pastures, Feed Lots and Pastures including Dairy Cattle. It is not necessary to avoid

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## LIQUID

**Chevron Chemical Company**

Ortho Division/San Francisco CA 94119 Richmond CA 94804

Product 3290 Made in U.S.A.

Form 6518-K2

EPA Reg. No. 239-1721-AA

farm buildings, dairy barns, feed or forage areas. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, swamps, residential areas, municipalities, woodlands, pastures, farm buildings and feed lots may be treated. Application of this product to any body of water is prohibited.

**ULTRA LOW VOLUME AIRCRAFT APPLICATION:** Apply ½ to 1 fluid ounce of undiluted product per acre. Use the 1 ounce rate where heavy vegetation exists, i.e., woodlands, etc. Aircraft should be equipped with a noncorrosive spray system. Use only spray nozzles that will deliver 30 to 80 micron size droplets. Large droplets may cause spotting of certain automobile paint finishes. Spray during periods when wind is 5 mph or less and when thermal activity is low.

**AIRPLANE APPLICATION:** Dilute 50 to 100 ounces (1.6 to 3.1 quarts) ORTHO DIBROM 14 Concentrate in 100 gals. No. 2 Fuel



**DO NOT TAKE INTERNALLY  
DO NOT GET IN EYES  
DO NOT GET ON SKIN**

**DANGER:** Concentrate causes skin and eye damage. Do not get in eyes, on skin or on clothing. May be fatal if swallowed. May be fatal if absorbed through skin. Avoid breathing spray mist. Use waterproof gloves and face shield or goggles when handling concentrate. In case of eye contact, immediately flush eyes with plenty of water and see a physician. For skin, immediately remove contaminated clothing and flush affected areas with plenty of water.

**Note to Physicians:** Emergency Information - call (415) 233-3737. Naled is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine. Mucosal damage may occur, and if gastric lavage is indicated it should be performed cautiously. **DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.** Avoid contamination of feed, foodstuffs and drinking water. Concentrate may corrode metal spray or mixing equipment. Flush all equipment thoroughly with aromatic solvent after use. Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed of by punching holes in them and burying with wastes.

This product is toxic to fish, birds and other wildlife. Keep out of lakes, streams and ponds. Direct application to water is prohibited. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate any body of water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Oil or diesel oil. Apply at the rate of 1 gal. diluted material per acre. This is equivalent to 0.05 to .1 lb. actual DIBROM per acre.

**THERMAL FOG APPLICATION:** Dilute 3.1 quarts (100 fl. ozs.) to 99 gals. No. 2 fuel oil or diesel oil or 10 ozs. per 10 gals. oil. Apply either at the rate of 40 gals. per hour at 5 miles per hour vehicle speed, 80 gals./hour (10 mph), or 120 gals./hour (15 mph), applying swath 300 to 400 feet wide.

**ULTRA LOW VOLUME NON-THERMAL GROUND APPLICATION:** Dilute 2 qts. (64 fl. oz.) of DIBROM 14 Concentrate in soybean oil or HAN to make 5 gals. of dilute solution. Apply through Leco ground ULV equipment operating at 1.5 psi to achieve optimum mosquito control. Greater pressures result in overatomization and poor mosquito control. The optimum droplet size range is 11 to 20 microns with optimum mass median diameter of 15 microns. Apply at the rate of 3 to 6 fl. oz. per minute at a vehicle speed of 5 mph; applying a swath 300 ft. wide; at 10 mph, deliver 6 to 12 fl. oz. per minute; and at 15 mph deliver 9 to 18 fl. oz. per minute. This is equivalent to 0.01 to 0.02 lb. actual DIBROM per acre. Use the high rate and slower speed to penetrate dense vegetation.

### HOUSE FLIES, GNATS, CERTAIN OTHER NUISANCE INSECTS— SMALL FLYING MOTHS, CRANE FLIES, MIDGES, ADULT STABLE

**FLIES** (Dog Flies) in Residential Areas, Municipalities, Woodlands, Livestock Pastures, Feed Lots and Pastures including dairy cattle. It is not necessary to avoid farm buildings, dairy barns, feed or forage areas. **THERMAL FOG APPLICATION:** Dilute 1 gal. to 99 gals. of No. 2 Fuel Oil or diesel oil or 13 ozs. per 10 gals. oil. Apply at rate of 40 gals. per hour output at an average vehicle speed of 5 miles per hour, applying swath 300 to 400 feet wide. **AIRPLANE APPLICATION:** Dilute 100 to 230 fl. ozs. (¾ to 1¾ gals.) ORTHO DIBROM 14 Concentrate in 100 gals. No. 2 Fuel Oil or diesel oil. **Smaller insects—Gnats and Midges:** ¾ to 1 gal. House Flies, Flying Moths: 1 to 1¾ gals. Apply 1 gal. diluted material per acre. This is equivalent to 0.1 to 0.2 lb. actual DIBROM per acre.

**CONDITIONS OF SALE:** 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

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