

COPY A

DANGER: Concentrate causes skin and eye damage. Do not get in eyes, on skin or on clothing. May be fatal if swallowed. May be harmful 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. 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.

COPY B

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.

COPY C

FLUSH WITH AROMATIC SOLVENT AND DESTROY CONTAINER WHEN EMPTY.

COPY D

DANGER: KEEP OUT OF REACH OF CHILDREN.

ACCEPTED

239-1721

SEP 4 1974

UNDER THE FEDERAL PESTICIDE  
FUNGICIDE AND ROENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. \_\_\_\_\_ SUBJECT  
TO ATTACHED COMMENTS.

# DIBROM<sup>®</sup> 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	

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH WARNINGS 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.

WASH AND DESTROY CONTAINER WHEN EMPTY. NEVER RE-USE.

ORTHO DIBROM 14 Concentrate is a special formulation for use undiluted or diluted in diesel oil to be applied for the control of mosquitos, houseflies 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.

**NET CONTENTS**  
**LIQUID**

**Chevron Chemical Company**

Ortho Division/San Francisco, Calif. 94119  
 Richmond, California      Fresno, California  
 Des Moines, Iowa      Perth Amboy, New Jersey      Orlando, Florida  
 Form 6518-G2      Product 3290      Made in U.S.A.  
 EPA Reg. No. 239-1721-AA

**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 farm buildings, dairy barns, feed or forage areas.

**ULTRA LOW VOLUME AIRCRAFT APPLICATION:** Apply 1/2 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.

**AIRCRAFT 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**

**KEEP OUT OF REACH OF CHILDREN**

**WARNING:** Concentrate may cause skin or eye damage. Do not get in eyes, on skin or on clothing. May be harmful if swallowed or absorbed through skin. Avoid breathing spray mist. Use waterproof gloves and face shield or goggles when handling concentrate. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water. For eyes, get medical attention. Avoid contamination of feed, foodstuffs and drinking water.

Note to Physician: 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.** 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. Do not contaminate any body of water by cleaning of equipment or disposal of wastes.

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 SUCH AS 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. **AIRCRAFT APPLICATION:** Dilute 100 to 230 fl. ozs. (3/4 to 1 3/4 gals.) ORTHO DIBROM 14 Concentrate in 100 gals. No. 2 Fuel Oil or diesel oil. **Smaller insects such as Gnats and Midges:** 3/4 to 1 gal. **House Flies, Flying Moths:** 1 to 1 3/4 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.

239-1721-AA