

MAL 50-OS

contains CYTHON®

An oil soluble Malathion concentrate containing 4.5 lbs. of Malathion per Gallon

For formulating Thermal Fogging and Mist Spraying Oils for Mosquito Control Work and Outdoor Application.

ACTIVE INGREDIENTS:

Malathion (O, O-Dimethyl dithiophosphate of diethyl mercaptosuccinate)..... 50.00%

INERT INGREDIENTS: 50.00%

TOTAL INGREDIENTS:100.00%

* contains aromatic petroleum distillates-45.05% inert ingredients-4.95%

** cythion-Reg. TM - American Cynamid Company

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side Panels for Additional Precautionary Statements

E.P.A. Reg. No. 45385-66
E.P.A. Est. No. 45385-OH-01

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL:

Avoid storage conditions that might alter the composition or usefulness of the pesticide, e.g. temperature extremes, excessive moisture or humidity, heat, sunlight, friction, or contaminating substances or media. Keep pesticide container closed in a cool, dry, and locked cabinet or room.

Pesticide Disposal:

Avoid storage conditions that might alter the composition or usefulness of the pesticide, e.g. temperature extremes, excessive moisture or humidity, heat, sunlight, friction, or contaminating substances or media. Keep pesticide container closed in a cool, dry, and locked cabinet or room.

Container Disposal:

Metal containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed, by state and local authorities, by burning. If burned, stay out of smoke.

Directions for use continued on back panel.

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

CAUTION

Harmful if swallowed. Avoid breathing spray mist. Do not get in eyes, skin, or clothing. Wash thoroughly after handling. Avoid contamination of feed and foodstuff. Do not use on household pest or humans. Do not smoke while spraying.

GENERAL: Wear protective clothing to minimize skin exposure.

STATEMENT OF PRACTICAL TREATMENT:

If swallowed call a physician or poison control center immediately. Do not induce vomiting or give anything by mouth to an unconscious person. If inhaled- remove victim to fresh air. Apply artificial respiration if indicated. If on skin - remove contaminated clothing and wash affected areas with soap and water. If in eyes - flush with plenty of water. Call a physician immediately.

Note to physician: malathion, upon repeated prolonged, careless use, may cause cholinesterase inhibition. Atropine is antidotal.

ENVIRONMENTAL HAZARDS:

This product is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in area near the application site. Do not contaminate water when disposing of equipment wash waters. This product is highly toxic to bees exposed to direct treatment 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 areas.

PHYSICAL & CHEMICAL HAZARDS:

Do not pour, use, spill, or store near heat or open flame.

NET 1 GALLON (U.S.) / 3.785 LITERS

DIRECTION FOR USE - continued

FOR FLY CONTROL OUTSIDE FARM BUILDINGS AND DAIRY BARN:

Apply the spray at the rate of one ga. per 1000 sq. ft. on painted surfaces and two gallons per 1000 sq. ft. on unpainted surfaces where flies alight or congregate, window sills, fencing, etc. Use a large droplet spray that wets all surfaces to the point of run off. Repeat as necessary.

MOSQUITO CONTROL: Airplane application - Apply 3% to 5% Malathion in fuel oil at rate of 1/2 lb. actual Malathion per acre. Use 2 1/2 gal. of 3% Malathion per acre or use 1 1/2 gal of 5% Malathion per acre. **MIST SPRAYING AND LARVICIDING:** Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially. Apply a 3% to 5% Malathion in fuel oil at the rate of 1/2 lb. actual Malathion per acre. Use 2 1/2 gal. of 3% Malathion per acre or use 1 1/2 gal of 5% Malathion per acre. Repeat as necessary.

THERMAL FOGGING: Apply at a rate of 0.075 lb. to 0.1 lb of actual Malathion per acre. For 3% solution this will be at the approximate rate of 1 gallon per 3.5 acres.

DILUTION DIRECTIONS FOR THERMAL FOGGING AND MIST

SPRAYING OILS: For mosquito control work, use a 3% to 5% Malathion concentration in No. 2 fuel oil. For a 3% Malathion fogging or mist spraying oil use 1 part of MAL 50-OS to 22 parts fuel oil. To make a 5% fogging or mist spraying oil add 1 part MAL 50-OS to 13 parts of fuel oil. Fogging compounds and mist spraying compounds of up to 5% concentration of Malathion can be made in No. 2 fuel oil without using co-solvents. **NOTICE -:** When diluting MAL 50-OS with mineral seal oil, deodorized aliphatic or kerosene type petroleum oils use one part aromatic type solvent to four parts kerosene type oils.

FOGGING INSTRUCTIONS: For maximum effectiveness general outdoor fogging should be carried out under surface inversion conditions which usually exist only from one hour after sunset, through the night, and until sunrise. During this time, providing the wind velocity is under 3-4 miles per hour, the fog will remain in the area and close to the ground the required time to be fully effective. Outdoor fogging in windy (over 4 MPH) weather will be ineffective as the tiny particles will be too widely dispersed by the wind. Repeat as necessary.

TERMS OF SALE OR OF THE USE OF THIS PRODUCT:

WARRANTY: Manufacturer and Seller warrants that this product, as of the time of the sale, conforms to the ingredient statement on the label, and is reasonably fit for the purpose set forth in the Direction For Use. Except as so warranted the product is sold as is. Manufacture makes no other warranty express or implied. **EXCUSE FROM NON-CONTROLLABLE CONDITIONS:** Because of certain critical conditions created or incurred by buyer or user over which manufacturer has no control, buyer and user as a condition of purchase or use, assume responsibility for and release manufacture from liability arising out of handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378



SPECIMEN LABEL