

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

**WARNING**

Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes or skin or clothing. Wear goggles, face shield, or safety glasses. Wash all contaminated clothing with soap and hot water. Wash with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and other wildlife. Do not apply directly to water except as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

If it is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL:**

Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to Federal, or approved state procedures.

**CONTAINER DISPOSAL:**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

**FOR USE IN PONDS, LAKES, AND RESERVOIRS**

For use against rough fish (i.e. bull head and carp) in ponds. Since such factors as pH, temperature, depth, and turbidity will change effectiveness, use this product only at locations, rates and times authorized and approved by state and Federal fish and wildlife agencies. These rates must be within the range specified herein. Properly dispose of dead fish and unused product. Do not use dead fish as food.

Accurate determination of the volume of water to be treated is essential for calculating the amount of Stewart Pharmacal SYNERGIZED ROTENONE 2.5% EMULSIFIABLE LIQUID. Volume is usually figured in acre-feet. An acre-foot is a unit of water volume having a surface area of one acre and a depth of one foot. To determine the number of acre-feet in a body of water, make a series of transects across the surface, taking depths with a measured pole or weighted line. Add the measurements and divide by the number of measurements made to determine the average depth. Multiply this average depth by the number of surface acres to compute the number of acre-feet. If the number of surface acres is unknown, contact your local Soil Conservation Service Office. The acreage can then be determined from aerial photographs.

**STEWART PHARMACAL**

**SYNERGIZED ROTENONE 2.5%  
EMULSIFIABLE LIQUID**

USED TO KILL UNDESIRABLE FISH  
FROM PONDS PRIOR TO RESTOCKING

**ACTIVE INGREDIENTS:**

Rotenone..... 2.5%  
Other cube extractives..... 5.0%  
Piperonyl butoxide, technical..... 2.5%  
**INERT INGREDIENTS:..... 90.0%**

**TOTAL 100.0%**

ONLY FOR SALE TO, USE AND STORAGE  
BY SERVICE PERSONS

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Drink a large amount of milk or water. Do not induce vomiting because of aspiration hazard. **CALL A PHYSICIAN IMMEDIATELY.**

**IF IN EYES:** Flush with plenty of water. See a physician immediately.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

EPA Reg. No. 45128-8  
EPA Est. No. 43964 MO-1

MANUFACTURED FOR:  
**STEWART PHARMACAL, INC.**  
St. Louis, MO. 63110

NET CONTENTS: \_\_\_\_\_

**ACCEPTED**

**OCT 19 1982**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
Registration No. 45128-8  
EPA Reg. No. 45128-8

**USE DIRECTIONS CONT'D**

One Acre-Foot = 43,560 feet = 326,000 gallons  
2,717,000 pounds.

To determine the approximate number of gallons of SYNERGIZED ROTENONE 2.5% EMULSIFIABLE LIQUID needed for the following specific type of use, divide the number of acre-feet covered by one gallon for that type of use into the number of acre-feet in the body of water.

| SPECIFIC USE  | GALLONS OF 2.5% ROTENONE | NUMBER OF ACRE-FEET COVERED BY ONE GALLON |
|---|--------------------------|---|
| Normal  | 1 Gallon                 | 15-30                                     |
| Selective   | 1 Gallon                 | 12-15                                     |
| Pre-impoundment Treatment Above A Dam                       | 1 Gallon                 | 0.5-0.5                                   |
| To Remove Bull Heads or Carp                                | 1 Gallon                 | 0.75-1.5                                  |
| To Remove Bull Heads or Carp in Fertile, Rich Organic Ponds | 1 Gallon                 | 0.5-0.75                                  |

**APPLICATION**

Pre-dilute the amount of 2.5% Rotenone required at the rate of 1 gallon of 2.5% Rotenone/5 gallons water. Spray this mixed solution evenly over all water areas. Be sure to treat the pond edges and small coves thoroughly. In deeper water the solution can be poured into the wash from the boat or motor to obtain maximum dispersion. Surface application is not usually adequate for deep water (20-25 feet or more) and this application requires the mixture to be pumped through a weighted hose that has a perforated section at the end.

**DETOXIFICATION:** Treated waters detoxify under natural conditions within 1-4 weeks, depending upon temperatures, alkalinity, etc. Rapid detoxification can be achieved by adding chlorine or potassium permanganate to the water at the same rate as Rotenone 2.5% in parts per million plus enough additional to meet the chlorine demand of the untreated water. Taste and odor does not remain in treated water for more than a few days to a maximum of one month. Immediate removal can be achieved by treatment with activated charcoal at the rate of 30 ppm for each 1 ppm of Rotenone 2.5% remaining.

Do not restock treated area for 2-4 weeks. Test water prior to restocking to be sure traces of rotenone have disappeared. A simple test for toxicity for Rotenone 2.5% treated water may be made by placing live-boxes, usually minnow buckets containing test fish in a few areas in the ponds. It is recommended to use only species which are intended for stocking, since there is a chance some test fish may escape. The deep, cooler water is likely to remain toxic over a longer period of time, so one live-box should be placed on the bottom in the deeper section.

**WARRANTY STATEMENT**

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

**BEST DOCUMENT AVAILABLE**