

Code 716.00

— Gallons Net Contents

# Rotenone Solution FK-11

For use only by or under permit from appropriate State and Federal Fish and Wildlife agencies.

## Piscide

EPA Reg. No. 4816-67

EPA Est., 279-NY-1

<b>Active Ingredients</b> . . . . .	90.00%
Rotenone . . . . .	2.50%
Other Cube Extractives . . . . .	5.00%
*Technical Piperonyl Butoxide . . . . .	2.50%
Aromatic Petroleum Derivative Solvent . . . . .	80.00%
<b>Inert Ingredients</b> . . . . .	10.00%

\*Equivalent to 2.0% of (butylcarbityl) (6-propyl-piperonyl) ether and 0.5% of related compounds.

## WARNING

### KEEP OUT OF REACH OF CHILDREN.

Poisonous if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. In case of contact, wash immediately with soap and water. Wash all contaminated clothing with soap and hot water before reuse.

For Emergency Assistance Call: 716-735-3765



FMC Corporation  
A.C.D. Industrial Sales Department  
Middleport, New York 14105

This product is to be used in fisheries management for the eradication of fish from lakes, streams and reservoirs. It may be applied by ground or air.

### Directions for use

Dilute 1 gallon of this product with 10 gallons of water. Spray uniformly over surface of lake or reservoir at the rate of 1 to 2 gallons of product per 6 acre feet\* of water (0.5 to 1.0 ppm Rotenone Solution FK-11 or 0.0125 to 0.025 ppm rotenone).

When treating streams, allow this product to drain from the drum directly into the center of the stream at a rate of 0.85 to 1.7 cc per minute for each cubic foot of water flowing per second in the stream (0.5 to 1.0 ppm Rotenone Solution FK-11 or 0.0125 to 0.025 ppm rotenone).

This product is toxic to most species of fish and fish eggs at concentrations of 0.5 to 1.0 ppm. Under conditions of high alkalinity or water temperatures above 75 degrees F., increased concentrations may be necessary. For special instructions consult your State Fish and Game Commission.

When applied at recommended rates Rotenone Solution FK-11 is non-toxic to fish food organisms such as Phantom Midge Larvae (Chironomus tentipennis - Say.) and Midge Larvae (Tendipes crassicaudatus - Malloch, and Tendipes plumosus - Linn.) It is moderately toxic to Cladocera (Daphnia). Copepods (Cyclops) are much less resistant to Rotenone Solution FK-11 than Daphnia.

Rotenone Solution FK-11 disperses readily in water both laterally and vertically and will penetrate below the thermocline in thermally stratified bodies of water. This product does not accumulate on the lake bottom to remain toxic for extended periods of time.

Water treated with this product will detoxify under natural conditions within 1 week to 1 month, de-

pending upon temperatures and alkalinity. Taste and odor can be removed immediately by treatment with activated charcoal at the rate of 30 ppm for each 1 ppm Rotenone Solution FK-11 remaining. (Note: As Rotenone Solution FK-11 detoxifies, less charcoal is required). Rapid detoxification can be accomplished by adding chlorine or potassium permanganate to the water at the same rate as Rotenone Solution FK-11 in parts per million, plus enough additional to meet the chlorine demand of the untreated water. Detoxified treated waters have no adverse effect upon subsequent fish production.

\*ACRE FOOT is a unit of volume of a body of water having the area of one acre and a depth of one foot. To determine acre feet in a given body of water, make a series of transects across the water body taking depths with a measured pole or weighted line. Add the soundings and divide by the number made to determine the average depth. Multiply this average depth by the total surface to find the acre feet to be treated.

### ENVIRONMENTAL AND DISPOSAL CAUTIONS

Do not store at temperatures below 40 degrees F.

Dispose of wastes by burying in non-crop land away from water supplies. Empty 5 gallon cans should be smashed and buried with wastes. Return empty 30 and 55 gallon drums to reconditioner or destroy them by perforating or crushing. Bury or discard in a safe place away from water supplies.

**Terms of sale or use** On purchase or use of this product, buyer and user agree to the following conditions:

**Warranty** FMC warrants that this product, as of the time of sale by FMC, (1) conforms to the ingredient statement on the label, and (2) is reasonably fit for the purposes set forth in the Directions for Use. Except as so warranted the product is sold as is. FMC makes no other warranty express or implied.

**Damages** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages. Notice of any claim must be reported to FMC within 10 days of discovery by buyer or user, failing which buyer or user waives any claim for such damage.

**Excuse from non-controllable conditions** Because of certain critical conditions created or incurred by buyer or user or over which FMC has no control, buyer and user, as a condition of purchase or use assume responsibility for and release FMC from liability arising out

