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JAN 16 1992

U.S. Department of Interior
U.S. Fish and Wildlife Service
Office of Research Support
Washington, D.C. 20240

Gentlemen:

BEST AVAILABLE COPY

Subject: TFM Bar
EPA Reg. No. 6704-86
Your amended application of May 31, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable, subject to the comments listed below.

1. On your Front Panel, revise your "RESTRICTED USE PESTICIDE" block as follows:

RESTRICTED USE PESTICIDE

For sale to, and use only by, Certified Applicators of the U.S. Fish and Wildlife Service, Fisheries and Oceans Canada, and Provincial and State fish and game departments, or persons under their direct supervision, and only for those uses covered by the Certified Applicators' Certification.

2. On your Front Panel, change the text of your precautionary statements as follows:

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

NO KNOWN EFFECTIVE ANTIDOTE

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush with plenty of water. Call a physician.

IF SWALLOWED: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate

3. On your Left Panel, revise the text under "Hazards to Humans and Domestic Animals" as follows:

DANGER: Corrosive. Causes burns and irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating and smoking. Remove contaminated clothing and wash before reuse.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely,

Robert A. Forrest
Product Manager 14
Insecticide-Rodenticide Branch
Registration Division (H-7504C)

Enclosures

1. Stamped Label
2. A-79 Enclosure

cc National Fisheries Research Center- (NFRC-Lax)
P.O. Box 818
LaCrosse, Wi 54602

RAF:dbp:CM2:RM221:305-5407:1/16/92:Peacock Disk 59 (20)

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DRAFT LABEL -- TFM BAR

FRONT PANEL

RESTRICTED USE
PESTICIDE

Only for sale to and application by certified applicators of the U.S. Fish and Wildlife Service, Fisheries and Oceans Canada, and Provincial and State fish and game employees or persons under their direct supervision.

TFM BAR

Active Ingredient:	
a,a,a-TRIFLUORO-4-NITRO-m-CRESOL, ..	
FREE CRESOL	21.4%
Inert Ingredients:	<u>78.6%</u>
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

NO KNOWN EFFECTIVE ANTIDOTE:
 IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. Give 1 or 2 glasses of milk or water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
 IF ON SKIN, flush liberally with water for at least 15 minutes and wash with soap if possible.
 IF IN EYES, flush liberally with water for at least 15 minutes, get medical attention.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MF. BY:	BELL LABORATORIES, INC.
TOWN, COUNTRY:	MADISON, WISCONSIN 53704 U.S.A
PACKED FOR:	U.S. FISH AND WILDLIFE SERVICE
TOWN, STATE:	WASHINGTON, D.C. 20240
EPA, EST. NO.	12455-WI-1
EPA REGISTRATION NO.	6704-86

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 16 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

6704-86

NET CONTENTS .9 kilograms

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LEFT PANEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS

WARNING: For use by trained operators only. May be harmful if swallowed or absorbed through skin. May cause eye or skin irritation. Care must be exercised in handling the TFM Bar. Protective clothing, rubber gloves, are necessary for the minimum protection of handlers.

ENVIRONMENTAL HAZARDS

Directions for use must be strictly followed to minimize hazard to non-target organisms. Do not contaminate water by cleaning of equipment or disposal of wastes.

Local State and Provincial Fish and Game Agencies must be contacted before product is applied. Municipalities that use streams requiring treatment as potable water sources must be notified of the impending treatment at least 24 hours prior to application. Agricultural irrigators that use streams requiring treatment as a source of irrigation water must be notified of the impending treatment at least 24 hours prior to application. Agricultural irrigators must turn off their irrigation systems for a 24-hour period during and after treatment.

Not to be used by unauthorized personnel

Nr. 2039

CATEGORY OF APPLICATION

Aquatic pest control.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: TFM Bars should be stored at 100°F or less and in an area where spills or leakage of the material can be contained. If product becomes soft or liquified due to high temperature, cooling to below 100°F will return it to a solid state.

PESTICIDE DISPOSAL: Wastes resulting from the use of TFM Bars may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Dispose of plastic wrappers and packing cartons in a sanitary landfill or by incineration, or, if allowed by state or local authorities, by burning. If burned, stay out of smoke.

DRAFT LABEL -- TFM BAR

RIGHT PANEL

DIRECTIONS FOR USE

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

Pretreatment surveys must be made to determine abundance of sea lamprey larvae (Petromyzon marinus). All waters in the Great Lakes Basin and the Lake Champlain system selected for treatment must first be analyzed on site to determine both the minimum concentration of TFM required to kill the sea lamprey larvae and the maximum concentration that can be applied without causing undue mortality of non-target organisms. "Analysis" constitutes live animal bioassay, or the use of multiple regression relating bioassay results to on-site determination of pH or total alkalinity and conductivity of the body of water.

The concentration of TFM needed to kill sea lamprey larvae may vary depending upon water chemistry and temperature. Measure volume or flow-rate and add the amount of chemical necessary at rates based on the foregoing analysis. Concentration in the body of water must be monitored by colorimetric analysis, gas chromatography, or high performance liquid chromatography.

When submerged in water, TFM bars dissolve in approximately 8 to 10 hours at 17°C and 10 to 12 hours at 12°C in current velocities 0.3 to 0.4 ft/sec. More rapid velocities will cause the bars to dissolve faster. First calculate the amount of TFM (grams/hr) needed to supply a lethal concentration to larval sea lampreys in the stream. Then calculate the amount of TFM (grams/hr) released from a TFM bar based on the length of time the bars are expected to last at the prevailing temperature. Divide the amount of TFM needed by the amount released per bar to find the number of bars needed.