

[Label – Principal Panel]

# **TFM BAR**

**RESTRICTED**

**READ THE LABEL BEFORE USING**

GUARANTEE: TFM (3-trifluoromethyl-4-nitrophenol)...23.0%

REGISTRATION NUMBER 22610 PEST CONTROL PRODUCTS ACT

NET CONTENTS 24 x 0.9 KILOGRAMS

DANGER-CORROSIVE



Manufactured for:  
United States Department of the Interior  
U.S. Fish and Wildlife Service  
Arlington Square Bldg., Mail Stop 725  
Washington, DC 20240

Canadian Agent:  
Department of Fisheries and Oceans (Canada)  
Sea Lamprey Control Centre  
1219 Queen Street East  
Sault Ste. Marie, Ontario P6A 2E5  
705-941-3000

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

**NATURE OF RESTRICTION:** Only for sale to, and use 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 Applicator's Certification.

### **RESTRICTED USES**

**DIRECTIONS FOR USE:** Persons applying TFM Bars must follow Sea Lamprey Control Document No. SLC-92-001.4, "Standard Operating Procedure for Application of Lampricides in the Great Lakes Fishery Commission's Integrated Management of Sea Lamprey (*Petromyzon marinus*) in waters in the Great Lakes basin and the Lake Champlain systems."

Pretreatment surveys are always 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 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 toxicity test results to on-site determination of pH or total alkalinity and conductivity of the body of water.

The concentration of TFM needed to kill a 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 on the body of water must be monitored by spectrophotometric analysis 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 0.09 to 0.12 meter/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.

Do not apply this product by air.

## PRECAUTIONS

### KEEP OUT OF REACH OF CHILDREN

**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 in clothing.

Wear a long sleeved shirt, long pants, rubber boots with socks, chemical resistant gloves, and goggles or safety glasses during loading, application, clean up and other handling activities.

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/personal protective equipment immediately if pesticide comes in contact with skin. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing before reuse.

Users should remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Do not apply this product in a way that will contact workers or other persons.

### ENVIRONMENTAL HAZARDS

This chemical is toxic to fish and aquatic invertebrates. Non-target aquatic organisms may be killed at rates recommended on this label. The directions for use must be strictly followed to minimize hazards to non-target aquatic organisms.

Local and appropriate provincial pesticide regulatory authorities must be consulted about use permits that may be required 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. All known 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 system during treatment and for a 24-hour period after treatment.

Not to be used by unauthorized personnel.

**FIRST AID:**

**IF SWALLOWED:** Call a poison control centre or doctor IMMEDIATELY for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for further treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Probable mucosal damage may contraindicate the use of gastric lavage. NO KNOWN EFFECTIVE ANTIDOTE.

**STORAGE AND DISPOSAL**

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

**STORAGE:** TFM Bars should be stored at 38°C or less and in an area where spills or leakage of the material can be contained. If product becomes soft or liquefied due to high temperatures, cooling to below 38°C will return it to a solid state.

**DISPOSAL:** Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.