

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 35978-8	DATE OF ISSUANCE 10/1/87
	TERM OF ISSUANCE	
<b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT Sodium Monofluoroacetate (Compound 1080) Livestock Protection Collar	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Wyoming Department of Agriculture  
 Predator Control Section  
 2219 Carey Avenue  
 Cheyenne, WY 82002

166  
18

178,000  
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**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The Livestock Protection Collar (30 mL) is conditionally registered in accordance with FIFRA section 3(c)(7)(A) under the following conditions:

1. You will submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) on the same date specified by the Agency for the submission of such data by all registrants of similar products.

2. Monitoring Study

You will submit within two (2) years of issuance of this registration, the results of the first twelve (12) months of the monitoring study. You must follow the monitoring study protocol dated July 8, 1986 and received by the Agency on July 29, 1986. Also, you must incorporate the modifications noted below. Each year thereafter, you will submit the results of the previous year's monitoring. Four years after issuance of this registration, the Agency will determine if the study may be discontinued.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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The data resulting from the monitoring study must be submitted in a standard format according to PR Notice 86-5 (enclosed). This information is to be submitted to:

Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)  
Environmental Protection Agency  
Washington, DC 20460

The following additional information must be included in the monitoring study:

- a. Your protocol covers the items necessary for a program for monitoring use of Livestock Protection Collars, but many details are missing. It is not completely clear which forms (or portions of forms) are to be completed by State personnel and which are to be completed by the applicators.
- b. Objective "A" should be to determine the extent of compliance with the use restrictions. It is very important to record how many applicators deviated from requirements, what areas they deviated in, how they reacted to being informed of violations, and the extent to which their behavior was changed in the future. Incidents of repeated or flagrant violations should be noted, along with the consequent actions taken by the Department. It is very important to determine the extent to which users comply with requirements when they are not closely watched or subjected to verbal inquiry.
- c. On the monthly report form, change "COUNTY(S) COLLARS USED" to "COUNTIES WHERE COLLARS USED." Is this form to be completed by applicators or Department personnel?

3. Information on the Collars

- a. Each Livestock Protection Collar will bear the following information:

DANGER  
 PELIGRO  
 1080  
 EPA Registration No. 35975-8  
 Unique serial number for each collar

**BEST AVAILABLE COPY**

- b. As mounted to the sample collar submitted, the serial number tag obscured part of the label on the outside of the collar. The label on the inside was largely covered by straps. The adhesive on these labels failed. Prior to releasing this product for shipment, please resubmit a sample collar with the label unobscured and with a dependable adhesive.

4. Labeling

- a. Make the labeling changes listed below before you release the product for shipment:
  - o Add the phrase "EPA Registration No. 35978-8."
  - o On page 13 of your Technical Bulletin, on line 2 of Use Restriction 13, change "leakproff" to "leakproof."
- b. Labeling approved by EPA, which consists of the product label and Technical Bulletin for the Livestock Protection Collar, will accompany each collar. Any modifications to the labeling must receive prior approval by EPA.

Submit five (5) copies of your final printed labeling, which includes the Technical Bulletin, before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

5. Reports

- a. The registrant submits to EPA<sup>1,2</sup> by February 15 each year the number of collars sold by county and State. The reporting period is January 1 to December 31.
- b. The registrant submits production information (pounds or gallons produced) for this product for the fiscal year in which the use for predator control is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. Production information will be submitted to the Agency no later than November 15 following the end of the preceding fiscal year. This information is to be submitted to:

Registration Support and Emergency  
 Response Branch  
 Registration Division (TS-767C)  
 Environmental Protection Agency  
 Washington, DC 20460

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<sup>1</sup>William H. Miller, Registration Division (TS-767C), EPA, Washington, DC 20460.  
<sup>2</sup>Mike Wood, Office of Compliance Monitoring (EN-342), EPA, Washington, DC 20460.

6. Agents

Within thirty (30) days of issuance of this registration, the registrant shall submit to the Agency a list, subject to EPA approval, of agents authorized to sell and/or distribute the 1080 Livestock Protection Collars, and the locations where the 1080 toxic collars will be sold and/or distributed. Any changes and/or amendments to the list must be submitted to, and approved by, the Agency prior to instituting these changes.

7. Data Requirements to Support Continued Registration of the 1080 Livestock Protection Collar

On February 3, 1987, the Agency mailed a Data Call-In (DCI) Notice under FIFRA section 3(c)(2)(B) to the USDA/APHIS/ADC requesting that the following studies either be corrected or repeated (copy enclosed). Satisfaction of these data requirements, by the due dates for submittal of the data, is also a condition of this registration.

<u>Guideline Citation No.</u>	<u>Study</u>	<u>Date Due</u>
81-4	Sodium Fluoroacetate (Compound 1080), Primary Eye Irritation of the Toxic Collar Solution to Rabbits, U.S. EPA Accession No. 144399.	November 6, 1987
81-5	Sodium Fluoroacetate (Compound 1080), Primary Skin Irritation of Toxic Collar Solution to Rabbits, U.S. EPA Accession No. 144400.	November 6, 1987
71-5	Estimated Doses of Sodium Fluoroacetate (Compound 1080) Delivered to Coyotes by Toxic Collars, November 15, 1984. U.S. EPA Accession No. 144402.	February 6, 1990
71-5	Primary Hazard of the 1080 Toxic Collars to Skunks and Golden Eagles, December 21, 1984. U.S. EPA Accession No. 144401.	February 6, 1990

8. Biological Opinion From the Office of Endangered Species

Within 30 days after receipt from the Office of Endangered Species (OES) by way of the Agency a final Biological Opinion, you must amend the registration of your product to reflect any restrictions on the sale, distribution, or use of 1080 products required or recommended by the



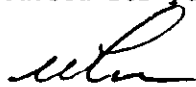
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Biological Opinion and you must agree to carry out such other actions, including submission to EPA of additional data, as are required or recommended in the Biological Opinion.

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

Also, our staffs have agreed that the USDA Animal Damage Control Service personnel will facilitate efforts by collar users to contact local Endangered Species Offices in order to comply with the endangered species provisions of the labeling.

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



William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosures

### DIRECTIONS FOR USE

It is a violation of State and Federal laws to use this product in a manner inconsistent with its labeling or the Compound 100 cancellation order. Misuse may result in civil or criminal enforcement action.

DO NOT REMOVE TOXICANT FROM COLLARS. DO NOT USE TORN, DAMAGED OR LEAKING COLLARS. Dispose of damaged collars in accordance with the "Storage and Disposal" instructions on this label.

Put collars on the necks of sheep or goats in fenced pastures where coyote predation is occurring or is expected to occur. Use collars only in accordance with the User Instructions and Use Restrictions contained in the accompanying Technical Bulletin.

### STORAGE AND DISPOSAL

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

STORAGE: Store Livestock Protection Collars only in original container, in a dry, locked place away from food, feed, domestic animals and corrosive chemicals. Do not store in any structure occupied by humans.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of such materials is a violation of Federal Law.

Dispose of wastes contaminated by 1080 (carcasses, wool hair, vegetation, soil, leather clothing, and water) under three feet of soil, at a safe location, preferably on property owned or managed by the applicator and at least one half mile from human habitations and water supplies.

When snow or frozen ground make on-site disposal impractical, up to one cubic foot of wastes may be stored in a leakproof container, in a dry, locked place for up to 90 days.

Alternatively, contact your state pesticide Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in disposing of wastes at approved hazardous waste disposal facilities.

COLLAR DISPOSAL: Return damaged, irreparable and/or leaking collars to the Wyoming Department of Agriculture, at Cheyenne, for disposal.

CONTAINER DISPOSAL: Metal and plastic container - Triple rinse contaminated and uncontaminated containers with water. Then puncture and dispose of contaminated containers and rinse as above.

### RESTRICTED USE PESTICIDE

Collars shall be sold or transferred only by registrants or their agents and only to those persons who are specifically certified for Livestock Protection Collar and applicators. Collars may be used only by specifically certified Collar applicators or by persons under their direct supervision.

### FOR USE ONLY IN THE STATE OF WYOMING SODIUM FLUOROACETATE (COMPOUND 100) LIVESTOCK PROTECTION COLLAR

For use on sheep or goats to kill depredating coyotes

ACCEPTED ACTIVE INGREDIENT - SODIUM FLUOROACETATE 1.04  
with COMMENTS INTERT INGREDIENTS\* 98.96  
in EPA Letter Dated: TOTAL 100.00

\*Contains Rhodamine dye as a marker

OCT 1 1987

KEEP OUT OF REACH OF CHILDREN

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

35978-8

DANGER



POISON

### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting at once with an emetic such as syrup of ipecac. If emetic is not available, drink 1-2 glasses of water and induce vomiting by touching the back of the tongue with a finger. Do not induce vomiting or give anything by mouth to an unconscious person. TREATMENT IS MANDATORY. GET MEDICAL ATTENTION IMMEDIATELY.

IF ON SKIN: Wash the exposed area twice with soap and water.

IF IN EYES: Flush eyes with plenty of water for at least 15 minutes.

IF ON CLOTHING: Remove contaminated clothing and wash before reuse. Dispose of clothing in a safe place. Wash leather, including shoes, boots, and gloves, according to the "Pesticide Disposal" instruction on the side panel.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

MANUFACTURED BY: Wyoming Department of Agriculture, Cheyenne, WY

U.S. PAT. 3,842,806 EP ESTABLISHMENT NO: 35978-WY-  
EPA REGISTRATION NO:

NEW CONTENTS: 30.4 grams (1.1 oz) per small collar

### NOTICE

Seller makes no warranty, expressed or implied, concerning the use of this product on the label. Buyer assumes all risks of use and/or handling of this product if handling is contrary to label instructions.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER**

May be fatal if swallowed. Wear waterproof gloves when handling collars. Wash hands after handling collars or animals that have been contaminated with 1080 solution. Do not use contaminated animals for food or feed.

**ENVIRONMENTAL HAZARDS**

This product is highly toxic to wildlife. Birds and mammals feeding on carcasses of contaminated livestock may be killed. Apply this product only as specified on this label. Keep out of any body of water.

**ENDANGERED SPECIES CONSIDERATIONS**

NOTICE: It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species.

The use of 1080 in the Livestock Protection Collar has been determined to pose a hazard to several endangered species. See technical bulletin (for restriction No. 16) for specific areas where the 1080 collar cannot be used without specific approval from the U.S. Fish and Wildlife Service.

**INFORMATION FOR PHYSICIANS**

**WARNING SYMPTOMS:** 1080 poisoning results from the transformation of fluoroacetate into fluorocitrate within cell mitochondria. Poisoning is normally characterized by a symptom-free latent period of ½ to 2 hours or longer between ingestion and onset of symptoms (nausea, vomiting, diarrhea, and hyperactive behavior leading to convulsions, coma, and cyanosis). Ventricular fibrillation is commonly noted and is the primary cause of death. Early symptoms include alteration of heart sounds and premature, weak cardiac contractions.

**TREATMENT:** No effective antidote is known, but symptomatic treatment may be effective. Establish respiration; create artificial airway if necessary. Check adequacy of tidal volume. Initiate emesis. If patient is comatose, convulsing, or has lost the gag reflex, endotracheal intubation should precede gastric lavage with large bore tube. Administer activated charcoal and magnesium sulfate. Treat seizures with IV Diazepam. Monitor cardiac function closely. Treatment with glyceryl monoacetate (monoacetin) may be effective; however, it is experimental and unproven in humans. **CONSULT NEAREST POISON CONTROL CENTER FOR CURRENT INFORMATION.** Symptoms of nonlethal intoxication will usually subside within 12-24 hours.

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