<u> </u>	PM 14	48099-1	
'/ OFF	IRONMENTAL PROTECTION AGENCY FICE OF PESTICIDES PROGRAMS EGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	TERM OF ISSUANCE	FEB 15 1995
(Under l	F PESTICIDE: REGISTRATION The Federal Insecticide, Fungicide, Rodenticide Act, as amended)	Bear Skunker	T
NAME AND ADDR	ESS OF REGISTRANT (Include ZIP code)	<u> </u>	
144 (Country Products Commercial Street	⁷⁷ 48	1877 116
Sunny L	yvale, CA 94086	٦	
submitted to and	in labeling formula differing in substance from laccepted by the Registration Division prior efer to the above U.S. EPA registration numbers.	to use of the label in commerce	
·	information furnished by the registrant, the a ecticide, Fungicide, and Rodenticide Act.	bove named pesticide is hereby	Registered/Reregistered under
A copy of the la	beling accepted in connection with this Reg	istration/Reregistration is retu	ned herewith.
health and the e	in no way to be construed as an indorsement nvironment, the Administrator, on his motion nce with the Act. The acceptance of any nan construed as giving the registrant a right to	, may at any time suspend or ca ne in connection with the regist	ncel the registration of a pest- ration of a product under this
with	This product is uncondition FIFRA sec. 3(c)(5), provide		n accordance
Α.	Make the following changes to your labeling prior to releasing the product for shipment:		
1	1. On the Front Panel of your Carton and Can labels, change "Statement of Practical Treatment" to "First Aid".		
	 On your Carton and "Bear Skunker Instructions", after "University of Montana Bear Research Foundation" add "(see enclosed bulletin entitled "The Bear Skunker Story".) Delete the asterisk, "*". 		
	3. In your "Instructions" title, "Bear Skunker In this title on your carrithese instructions will outside of the can.	nstructions", becau ton and can labels.	se you refer to We assume that
ATTACHMEN	T IS APPLICABLE		<u>-</u>
SIGNATURE OF	19 0-		FEB 1 5 1995
PA Form 8570-6 (R	ev. 5-76) PREVIOUS EDITION	MAY BE USED INTIL SUPPLEM	E NIZOTE CO

- 4. In your "The Bear Skunker Story" bulletin, you need to retain its full title because you will be referring to this title on your carton label and because you need to distinguish this document from the "Bear Skunker Instructions", which will also be placed inside the carton but outside of the can.
- 5. Change the first sentence of the "INTRODUCTION" of the "Bear Skunker Instructions" to read

"BEAR SKUNKER is designed to deter the approach of curious or aggressive bears which may be encountered while camping, hiking, fishing, or hunting."

- 6. In the first sentence of the last paragraph of "The Bear Skunker Story", change "out" to "our".
- B. Submit one copy of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

This registration will be subject to cancellation in accordance with FIFRA sec. 6(e) if you do not comply with these conditions. Your release for shipment of the product constitutes acceptance of these conditions.

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

RAF

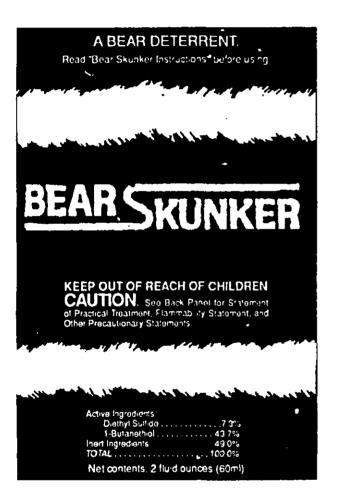
Robert A. Forrest Product Manager (14) Insecticide-Rodenticide Branch Registration Division (H7505C)

Enclosures: 1

)

- 1) Stamped label
- 2) A-79 Enclosure

Peacock WP#4:BEARSKUN.NOT:REG-NOT.2:305-5407,-6600:2/15/95



IONARY STATEMENTS Harmful I swallowed and causes eye irrharion. Do not got in eyes or on clothing. FIRST AID

FEMALLOWED, drink 2 or 3 glasses of water and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconsecus person. Call a physician or poison control contax immediates.

nconscious person can a physician or potential and an aphysician in the person with plenty of water. Call a physician in thation persons.

MMALEX, move violation a well-yent ared area with

tresh ar

PHYSICAL OR CHEMICAL HAZARDS

RAMMARE Keep away from heat, open flame or camplines. Do not burn or incinerate.

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

Note BEAR SKUNKER contains a lou' oder that is assly removed from clothing or skin. See CLEAN PROCEDURES in BEAR SKUNKER ANSTRUCTION

both hands
Become proficient with the practice squeeze bon's
before actual use of the active BEAR SKUNKER in the
field See the "BEAR SKUNKER INSTRUCTIONS" for
complete use directors

STORAGE AND DISPOSAL
Storage: Stora only in original container, in a dry place in accessible to children and pats. Do not use two (2) years after the date printed on can bottom. Dispose at law and depend and bottom.

years after the date printed on can bottom. Dispose of unused can as indicated below. Pesticide Dispose: Dispose of any liquid remaining in squeeze container after boar ancounter by squirting the liquid into a hole. Cover will bid... Container Dispose: Do not reuse containers. Containers should either be build at the camps to under one (1) foot of soll or double scaled in plastic, securely wrapped in nowspaper, and discarded in trash.

Manufactured by BEAR COUNTRY PRODUCTS Surreyvale, CA 94086 EPA Registration No. 48093-1 EPA Est No. 48099-CA-01



BEST AVAILABLE COPY

CARTON FRONT & BACK 2'952/95

CARTON SIDE 2/952/95

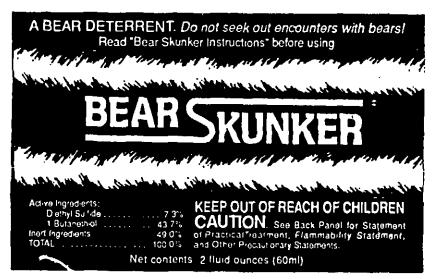
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PRECAUTIONARY STATEMENTS

CAUTION

Harmful if swallowed and causes eye irritation Do not get in eyes or on clothing.

FIRST AID

IF SWA LOWED, dtink 2 or 3 glasses of water and induce vorniting by touching back of throat with a linger. Do not induce vorniting or give anything by mouth to an unconscious person. Call a physician or poison control center immediately. If In EYES, flush with plenty of water. Call a physician # irrigation persists.

IF WHALED move victim to a well-ventilated area with fresh air

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE Keep away from heat, open flame or camplines. Do not burn or incinerate.

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

Note 85AR SKUNKER contains a foul odor that is not easily removed from clothing or skin See CLEANUP PROCEDURES in TREAR SKUNKER INSTRUCTIONS:

To open can containing Bear Skunker, put

leather thong attached to lid with a singleth, even motion. Take out the plastic squeeze containing filled with active Bear Stunker. By up spout, aim a bear's lace, and squeeze using both hands. Become profile of the plastice source of the plastice source of the plastice.

Become proficient with the practice squerze bottle before actual use of the active BEAR SKUNKER in the field. See the "BEAR SKUNKER in the field. See the "BEAR SKUNKER KSTFUCTIONS" for complete use directions.

STORAGE AND DISPOSAL

Storage: Store only in original container, in a dry place inaccessible to children and pers. On no use two (2) years after the date printed on can bottom. Dispose of unused can as indicated below.

Pesticide Disposal: Dispose of any liquid.

Pesticide Disposal: Disposa of any liquid remaining in squeeze container after bear encounter by squirling the liquid arto a hole Cover with dirt.

Container Disposal: Do not reuse containers Containers should either be buried at the campsite under one (1) loot of soil or double sealed in plastic, securely wrapped in newspaper, and discarded in trash.

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BEAR COUNTRY PRODUCTS
Surryude, CA 9/056
EPA Registration to 4009 1 EPA Est No. 18/09 CA 01

CAN LABEL
FRONT
2/95

CAN LABEL
BACK

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m.EPA Letter Dated

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Under the Foderal Inserticide.
Functions and Redecricide Act
as amended, for the positions
registered makes EPA Rose, No.
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INTRODUCTION

BEAR SKUNKER® is designed to deter the approach of curious bears which may be encountered while camping, hiking, lishing or hunting

BEAR SKUNKER® was inspired by the skunk's success in protecting itself from attack by large predators by its spray of scent. The foul odor of BEAR SKUNKER® is similar in chemistry and odor to natural skunk scent and has been field tested by the University of Montana Bear Research Foundation. These tests show that bears tend to avoid BEAR SKUNKER® when they are exposed to it. DO NOT expect BEAR SKUNKER® to make you absolutely "bear proof"; also DO NOT feel free to seek out encounters with bears.

THE PACKAGE

The package contains

- A plastic squeeze bottle filled with water (for practice purposes)
- A sealed pull-top can containing an identical squeeze bottle filled with active BEAR SKUNKER® ingredients
- A leather thong for quick release of the pull top mechanism

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DIRECTIONS FOR USE

PRACTICE BEFORE LEAVING HOME

The practice container is included to enable the user to get the feel of operating the nozzle spout and squeeze bottle before going to the wilderness.

The accompanying illustration shows the recommended way to hold the squeeze bottle. Note that both hands are used for greater pressure, better aim and maximum distance. It is suggested that, with practice, one should be able to hit a pie plate at a distance of 15 to 20 feet

REFILLING WITH WATER

To refill the practice container with water

- 1) extend the spout.
- 2) completely depress the plastic container
- 3) while depressed as above (2), fully submerge the assembly in container of

WHILE HOLDING BOTTLE UNDER WATER...

- a) release pressure on bottom then
- b) pull on bottom of container until it assumes normal, undepressed proportions

ACTUAL EMERGENCY USE OF BEAR SKUNKER® TO DETER **AGGRESSIVE OR CURIOUS BEARS**

- 1) Do not open the pull-top can until you are convinced that an encounter with the bear cannot be avoided
- 2) Pull can loose from rubber band harness
- 3) To open can, pull the attached feather thong with a smooth, even motion. Then remove the plastic container liked with active BEAR SKUNKER® Note that the can contains excess liquid, this should alert the bear to the BEAR SKUNKER® scent as soon as the can is opened
- 4) As a first step, flip up the spout, then (using both hands as recommended) squirt a small amount of BEAR SKUNKER® on the ground between yourself and the bear If this fails to deter the bear's aggressiveness squeezs the plastic container (both hands) and immediately spray BEAR SKUNKER^(c) in the bear's face when the animal is within spray reach (15-20 leet) Watch the bear's reaction carefully and be prepared to respray the bear if necessary. After spraying BEAR SKUNKER®, continue to face the bear and withdraw slowly. Be careful to avoid tripping and falling DO NOT RUN!
- 5) Use the enclosed plastic lid to temporarily reclose the BEAR SKUNKER® can after it has been opened

PRECAUTIONARY STATEMENTS

Harmful if swallowed and causes eye irritation Do not get in eyes or on clothing

IF SWALLOWED, drink 2 or 3 glasses of water and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person Call a physician or poison control center immediately

IF IN EYES, flush with plenty of water Call a physician if irritation persists

IF INHALED, move victim to a well-ventilated area with Iresh air

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: Keep away from heat, open flame or camplines. Do not burn or incinerate

DIRECTIONS FOR USE

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

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To open ca leather tho even motio container I up spout, a using both

Become pr bottle beka SKUNKER

STOR/ Storage: S

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Container Containe campsite sealed in newspap

CLEANUP PROCEDURES FOR REMOVING/DIL

Method No. 1 (Liquid or Dry Bleach)

- Dilute according to package instructions to proper
- Spread diluted bleach over exposed skin
- · Immediately rinse off with water
- · Wash affected area again with soap and water

Method N

- Spread c
- Allow to (
 - · Biese off • Wash a'll
 - Individua hamburg

Background material is given in a supplemental bulletin provided with each BEAR SKUNKE

Reference also BEAR DETERRENT TESTS C. Hunt and C. Jonkel Border Bear Project. U. Boar Research Foundation: Septem EPA Registration No. 48091 EPA Est. No. 48099 CA.0

BEST AVAILA

NSTRUCTIONS INSIDE LEFT

INSTRUCTION INSIDE RIGHT

2 95

By Roy Olander President, Bear Country Products

By Roy Olander, President, Bear Country Products

STORY ADD TO FRONT

2/95

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Inscription.
Functions and Sederation And
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registered to \$55.5.

sting, Bear SKUNKER to r deterrent ity to defend iray of scent NKER to , DO NOT leef free to seek out encounters with bears

PACKAGING

Packaging was the first problem to be overcome because the product is based upon the same chemistry as natural skunk scent. Mammals, including humans, are so sensitive to skunk odor that ordinary packaging cannot contain the scent. Aerosol spray cans are an obvious first choice but they were unsuccessful for several reasons. First, the scent molecules migrate through the neoprene valves. Second, the cans would not spray a sufficient distance. Third, there was no way to determine how much liquid remained in the container. After months of experimentation the method of packaging shown was adopted.

It can be seen that the spray element is a bellows type squeeze bottle that can spry the scent about twenty feet. The container is very easy to direct toward the target and, being translucent, it is easy to determine the amount of liquid remaining to be sprayed. The squeeze bottle also avoids problems inherent in spray cans namely, cranky or non-working valves on the Aerosol cans and/or loss of propellant under cold weather conditions.

The plastic squeeze bottle filled with active BEAR SKUNKER ingredients is sealed in an aluminum pull top container. This arrangement is completely odorless, serves also to protect the squeeze bottle from damage on the trail. A leather thong is secrited to the pull-top ring to facilitate very quick opening (inits leather thong is not to be used as means for securing the can while being carried). A simple rubber band harness can be easily made up to fasten the BEAR SKUNKER container to belt or pack strap for carrying. A firm tug will release the can which will then be in the hand and ready to pull open with the leather thong.

FIELD TESTING

Once the packaging problem was solved the company embarked upon an extensive field testing program. As a preliminary step, a prominent writer of several articles on bears was asked to recommend someone to do field testing. At his suggestion the company contacted Dr. Charles Jonkel the University of Montana, considered to be one of the world's foremost experts on bears. Dr. Jonkel agreed to do the testing which started in the Summer of 1981. Tests were conducted by Dr. Jonkel and Ms. Carrie Hunt, a graduate student working on her Masters Degree. As expected, they concluded that bears do not like. BEAR SKUNKER. One test that I witnessed involved a 300-pound black bear that had been trapped because it had been killing catife. The bear

was tranquilized, then transported to the

woods, and secured to a tree by a 15 foot cable attached to its front foot. After the bear had been fully revived, Dr. Jonkel approached it to create a diversion so that Ms. Hunt could hide unobserved in a blind built previously.

The bear was alert but calm as Dr. Jonkel approached. It was apparent that it had been testing the cable. After making certain that Ms. Hunt was in the blind, Dr. Jonkel retreated for a distance of several hundred yards,out of sight and downwed. The bear settled down.

After a half-hour interval Dr. Jonket again approached the bear. This time however he carried a BEAR SKUNKER squeeze bottle filled with water rather than skunk scent. The objective was to establish a "control" against which the active ingredient could be measured.

As Dr. Jonkel approached, the bear strood on our remained quite calm, seeming to restare that it could not get away. There was about this feet of stock in the cable when Dr. Jonkel stopped about lifteen feet away. The doctor then held the squeeze bottle out in front, making threatening gestures and sounds that provoked the bear into lunging at him. Me then squirted the water at and on the bear but without any deterring effect as the excited hear continues to lunge at him repeatedly despite the squirting. Dr. Jouwel then retreated and, according to Ms. Hunt's late, report, the bear calmed down within a few microles.

Within the hour Or Jonkel again approached the twar but this time with a squeeze bottle containing the active BEAR SKUNPER ingredient instead of water Everything went as before only this time when the bear was induced into lunging, it was squitted with BEAR SKUNKER. The bear went into a crouch and puthis head over his left front paw. Or Unnkel retreated again. He told me while we worted that the hear's reaction, namely, lowering its head over its paw, was some kind of a submissive gesture that in bear language, meant "OK, I'll give up if you writ!" Ms Hunt reported later that the bear cried and was very agitated, rubbing its lave and pulling on the nable. Approximately thirty minutes later. Dr. Jonkel again. approached the bear. This time the objective was to create a divorsion so that it's. Hunt could that's thig-

Approximately thirty minutes later. Dr. Jonkel again approached the bear. This time the objective was to create a divorsion so that its. Hunt could teak this blind without being objectived by the bear. However when Dr. Jonkel got to with a about twenty yards the bear bolted and ran, but ng the end of this test er and some saulting. Then in a panic he proceeded to child the fice he was tied to with the greatest possible speed.

When O. Jonkel approached the bear the cost devihe could exist only a regligible reaction despite. extreme close up threats and provocation. The peal obviously did not want to have anything more to be with BEAR SKUNKER.

In 1983, testing was done at a garbagin dumo in Sparwood, Canada, This testing involved purtice BEAR SKUNKER on boil (rood trays) and trying to spray bears with a remote control discountles hos naithod proved to be politicizing successful. What we hireden was a time ranging the witest In 1984, at the same garboqued, molin Canada. Martin Smith, a bear biological from the University of Montaga, elected to lisk a free approach beautest Just before audant the consider od timiselt an illivaire until a feeding bear approached to within about filter a fact. He sprayed the bear with BE/FF SKUDIKER. The bear immediately boried and in from the dump into the woods, shaking tim hy, in Later Shifth replicated the procedure. Another these approached. This time Shi thispipulations in wall in instead of BEAR SKUNGER. The room common establish whether he is primarity or PEAR SKUNKER, dripper because he was surrived with Squid. The bear is that when its level with water bi refused to feave a simplifiand continued hat lig. 4 sport time later. For this eangroached the range was This time he squared the active EEAH SKUNKER. Thin ties immediately bolted and ran from the dem conclusively playing the affect veness of EEAP. SKURPLA. These free approach tests were repeated teneral rimes in Sourwood and we wellfortunate to get some of them or lividen tape. BEAR SKUNKER's being marketed by cause it is dernt an exploring, our bits or aggress will bear without making it violently arrors to addition, and t bullets. Mace, plearstiskin- (rm: proper) or other riltards, it is not necessary to actually ${\cal E}^{\rm t}$ the boar is war too at noce by its linen herse of smoly Faexample, if a hurigry bear cub wanders into can bi you know the minther is close by Yiu want to get a ceb to thave without in principut which can emage the mother. Mother bears and he extremely aggress we in defending and a history tremotes. If the citiwere curayed with BEAR SKHMIKER. The muthor would be immediately partied by the skunk score and meet likely in them not a blancy

Advocating that it avants an outlaw on of the instants about to protect itself is in outlook on isourch or of agreed As the famous natural of John on Chill stopper Preidnot ivon Sot Formald solve it. Never in a meind of never saw one virth and wisdom a notice? TO NOT is vanot BEAR SKUTPKE, to make you absolve, with hard since? I also, CO NOT fool tree to seek outless protective also.

