

US EPA ARCHIVE DOCUMENT

112701  
SHAUGHNESSEY NO.

15  
REVIEW NO.

EEB BRANCH REVIEW

DATE: IN 8/24/81 OUT 11/19/81

FILE OR REG. NO. 10182-UI

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE OF SUBMISSION 6/81

DATE RECEIVED BY HED 8/20/81

RD REQUESTED COMPLETION DATE 10/30/81

EEB ESTIMATED COMPLETION DATE \_\_\_\_\_

RD ACTION CODE/TYPE OF REVIEW 170/Old Chemical -- Me-Too

TYPE PRODUCT(S): I, D, H, F, N, R, S Rodenticide

DATA ACCESSION NO(S). \_\_\_\_\_

PRODUCT MANAGER NO. W. Miller (16)

PRODUCT NAME(S) Talon Weather Bloks

COMPANY NAME ICI Americas, Inc.

SUBMISSION PURPOSE Requested rereview in light of additional data

SHAUGHNESSEY NO. 112701 CHEMICAL, & FORMULATION Brodifacoum Z A.I. 0.005

Brodifacoum (EPA Reg. No. 10182-UI)  
(Talon Weatherbloks™)

## 100 Pesticide Label Information

### 100.1 Pesticide Use

Talon Weatherbloks, hereafter referred to as Bloks, is a rodenticide product for use against Norway rats, and house mice. The use pattern is delineated under Sec 100.3.

### 100.2 Formulation Information

Bloks are a \_\_\_\_\_  
attractants and 0.005% Brodifacoum toxicant.

### 100.3 Application Methods, Directions, Rates (From proposed label)

For control of Norway rats, and house mice in and around homes, industrial and commercial buildings, and inside transport vehicles and related port or terminal buildings. Treated bait must be placed in tamperproof bait boxes or in location not accessible to children, pets, domestic animals or wildlife such as in burrows which are then closed. For sewer use, hang WEATHERBLOKS on a string or wire or place on a tethered floating platform in bait stations.

#### Norway Rat

Apply 1/2 to 1 1/2 WEATHERBLOKS (usually at intervals of 15-30 ft) per placement. Maintain an uninterrupted supply of fresh bait for 10 days or until signs of rat activity cease. When infestations of Norway rats are limited to overhead areas, tie or fasten WEATHERBLOKS securely in protected locations on fences, poles, beams or other overhead areas where signs indicate rodents are active.

#### House Mice

Apply 1 mouse wedge (each 1/12 of a WEATHERBLOK) at intervals of 8-12 feet placement. Larger placements (2 wedges) may be needed at points of very high mouse activity. Maintain an uninterrupted supply of fresh bait for 15 days or until signs of mouse activity ceases.

### 100.4 Target Organisms

Norway Rats (Rattus norvegicus)  
House Mice (Mus musculus)

### 100.5 Precautionary Labeling

This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds.

### 101 Physical and Chemical Properties

See previous reviews of:

- (1) Turner 4/26/79
- (2) Turner 9/5/78
- (3) Balcomb 4/4/78

### 102. Behavior in the Environment

No data available

### 103. Toxicological Properties

See Reviews of

- (1) Tice 11/17/80
- (2) Balcomb 11/16/79
- (3) Turner 4/26/79

### 104. Hazard Assessment

#### 104.1 Hazard Assessment

The registrant has been informed through previous reviews and/or meetings that Brodifacoum poses primary and secondary hazards to non-targets, including potential impact to endangered species. We, therefore, do not feel a need at this time to re-iterate them.

#### 107. Conclusions

##### 107.1 Discussion

This product, like Talon®, poses a secondary hazard potential. There is also a primary hazard to non-targets that may feed on the product.

##### 107.2 Labeling

The use directions for Talon Weatherbloks™ are not clearly written. The following examples indicate some of the problems associated with working:

(1) "Sewers"- are they storm or runoff water sewers?  
Are they sanitary sewers only? Is this word  
interpreted to include all types of sewers?

(2) Under Norway Rats -

"When infestations of Norway rats are limited to overhead areas, tie or fasten WEATHERBLOKS securely in protected locations on fences, poles, beams, or other overhead areas where signs indicate rodents are active."

We feel that the word "fences" is not commonly used as per the context of this statement. A fence is a barrier and usually interpreted as a structure by which animals are held within a particular area. Likewise a rat guard on a mooring rope of a ship could be a "fence." We suggest that the word "fences" be deleted.

### 107.3 Data Request

Since this product poses the same secondary hazards that Talon® has associated with it, we would like to review the requested data for Talon® before we possibly request more data.

### 107.4 Rebuttal Presumption Against Registration (RPAR)

We alert the registrant to the following regulations.

Paragraph 162.11, (2)(6)(i) of regulations for enforcement of FIFRA as Amended states as grounds for issuance of intent to cancel registration: "that, based on toxicological data, epidemiological studies, use history accident data, monitoring data, or such other evidence as is available to the Administrator, the pesticide poses a substantial question of safety to man and the environment." Section 26) of FIFRA States "The term 'environment' includes water, air, land and all plants and man and other animals living therein, and interrelationships which exist among these." Section 2(d) of FIFRA states "the term 'animal' means all vertebrate and invertebrate species, including but not limited to man and other mammals, birds, fish and shell fish.

A substantial question of safety to non-target species (i.e, birds, mammals and possibly fish) has been raised by the proposed registered uses of Brodifacoum (i.e. Talon, Volak, ect.). We have requested data, the results of which could alleviate our concerns for RPAR and prompt registration of the product.

107.5

Conclusions

~~EED recommends against the registration of this product (Talon Weather  
blocks - EPA Reg. # 10102-01).~~ Review of the data submitted has raised  
more question about secondary hazards and primary hazards. Since data  
had to be re-routed to other Branches in HED and OPP and the results  
of their validations have not been received, ~~back~~, no change in our  
previous hazard assessment can be made. Further, we again alert the  
registrant to our previous concerns on outdoor use and the RPAR criteria  
under Paragraph 162.11, (2)(6)(i). This review, as did our previous  
review, asked several questions (Sec 107.2 Labeling) which have not  
been answered.

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