

171623
RECORD NO.

112701
SHAUGHNESSEY NO.

REVIEW NO.

EEB REVIEW

DATE: IN 5-23-86 OUT 25 JUN 1986

FILE OR REG. NO 10182-38

PETITION OR EXP. NO. .

DATE OF SUBMISSION 3-31-86

DATE RECEIVED BY HED 5-21-86

RD REQUESTED COMPLETION DATE 6-03-86

EEB ESTIMATED COMPLETION DATE 6-03-86

RD ACTION CODE/TYPE OF REVIEW 405

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

DATA ACCESSION NO(S). 262910

PRODUCT MANAGER NO. W. Miller (16)

PRODUCT NAME(S) Talon Products (Brodifacoum)

COMPANY NAME ICI Americas, Inc.

SUBMISSION PURPOSE Submission of adverse effects data concerning
Talon products. Comments requested by PM.

SHAUGHNESSEY NO. CHEMICAL, & FORMULATION % A.I.

112701 Brodifacoum (Talon Products) 0.005%



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

25 JUN 1986

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Ecological Effects Branch Response to Submission
of Emergency Treatment Calls on Brodifacoum

FROM: Larry Turner, Biologist *Larry Turner*
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

THRU: Norman Cook, Head-Section 2 *Norman Cook*
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

THRU: Michael W. Slimak, Chief *M. W. Slimak*
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

TO: William Miller, PM 16
Registration Division (TS-769-C)

The Ecological Effects Branch (EEB) has reviewed data on brodifacoum regarding emergency treatment calls for 1982-1985. These calls were received by the registrant, ICI Americas, Inc., in response to a telephone number on the label where emergency assistance could be obtained if bait was eaten by animals or pets. Over the 4-year period, a total of 64 calls were received where both exposure and adverse effects were reported. Of these 64, 48 calls were on dogs, 9 on cats, and 7 on other species including chickens, horse, gerbil, etc. None of the animals were specified as wild, but one unidentified bird appears to have been wild.

Since the calls received were concerned with treatment for poisoning, essentially no effort was made to ascertain the circumstances of exposure. In most cases, the amount ingested was unknown. Brodifacoum is known to be very highly toxic to birds and mammals; it is of no surprise that poisonings would occur if there were exposure. Six of the calls indicated that poisoning (2 dogs, 3 cats, chickens) may have occurred as a result of eating poisoned rodents.

Except for two calls regarding dogs that had already died by the time of the call, it is unknown whether the affected animals died or survived.

EEB has noted the reported incidents, but no action is called for. Risk assessment requires a knowledge of both dose and final response, neither of which is available. Information has been entered into the EEB files.