

**ENVIRONMENTAL FATE AND EFFECTS DIVISION**  
**ECOLOGICAL EFFECTS BRANCH**

**List B Phase 4 - Response on Existing Studies Reviewed**

**CHEMICAL AI NAME:** Brodifacoum  
**CHEMICAL NO.:** 112701

**CASE NO.:** 2755

**REVIEWER'S NAME:** James J. Goodyear  
**TELEPHONE NUMBER:** 703-557-7726  
**DATE:** January 4, 1991

**USE PATTERN(S):** In and around buildings.

**GUIDELINE NO.:** 71-3. Wild Mammal Toxicity.

**TITLE:** Determination of the Oral LD<sub>50</sub> of Brodifacoum for Mink. Submitted by ICI Americas, Inc., Agricultural Products, Wilmington, Delaware 19897. RR 90-292 B.

**MRIDS AND DATES OF STUDIES REVIEWED:** MRID 80248, c. 1979 in 92195-006, 1990

**MRIDS AND DATES OF FULLY ACCEPTABLE STUDIES:** None.

**COMMENTS:** Supplementary, NOEL < 0.116 mg/kg.

No DER was found in EEB's files for this study. The two highest concentrations are too widely separated to be of use. The "Protocol for determination of oral LD<sub>50</sub> for Mink" specifies .04, .12, .36, 1.08, and 3.24 mg/kg. If it was believed that a higher range of concentrations was needed, then the entire range should have been increased, not just its highest member.

If, as stated, the species presented a difficulty because food passes through their digestive tract too quickly, another subject should be chosen. Although, this may be a trait of the Mustelids generally and, therefore, the high LD<sub>50</sub> accurately reflects the conditions in the wild.

The study must be repeated in order to meet the data requirement.



# U.S. Environmental Protection Agency

## Office of Pesticide Programs Information Network

### Results

1 Items Found

#### MRID

► 1) 80248

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### Summary Information For Study 80248

**MRID:** 80248

**Citation Reference:** Ringer, R.K.; Aulerich, R.J.; Padgett, G.; et al. (1979) Determination of Oral LD<sub>50</sub> of Brodifacoum for Mink. (Unpublished study received Jul 22, 1981 under 10182-38; prepared by Michigan State Univ., Dept. of Poultry Science, Fur Animal Project, submitted by ICI Americas, Inc., Wilmington, Del.; CDL:245704-S)

**Author:** Ringer, R.K.  
Aulerich, R.J.  
Padgett, G.

**Content Category:** Complete primary report -- experimental research

**Receipt Date:** 22-Jul-1981

**Laboratory Project #:**

**Accession #:** 245704 S

**Products Tested:**

**Status:** Unacceptable (07-Jun-1991)

**DP #:**

#### Ingredients

PC Code	CAS #	Ingredient Name
112701	56073-10-0	Brodifacoum
Total Rows: 1		

#### Laboratory

Laboratory #	Laboratory Name
969998	Michigan State University
Total Rows: 1	

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