

US EPA ARCHIVE DOCUMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: October 4, 1979

SUBJECT: EPA File No. 10182-EO, Brodifacoum 90.0% Technical.

FROM: John Doherty  
Toxicology Branch/HED (TS-769)

*Bidd*  
10/5/79  
*WJ*  
10-5-79

Caswell #114AAA

TO: Daniel Peacock  
Product Manager Team #16/RD (TS-767)

Action Requested: Assign signal word and comment on precautionary labelling.

Conclusion: The data support a toxicity category I label and the signal word "DANGER", together with the "skull and crossbones" and the word "POISON" (in red).

Remarks:

1. The precautionary statement should read "Fatal if swallowed, inhaled or absorbed through skin. Do not breathe dust. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling."
2. Statement of Practical Treatment is required to be on front label.
3. The teratogenic properties (if any) of this chemical must be determined. Many anticoagulants are teratogens. Females of child bearing age should not be allowed to work as formulators until the teratogenic properties are established.

Summary Table: Acute Toxicity of Brodifacoum Technical

<u>Test</u>	<u>Results</u>	<u>TOX. Cat.</u>
Acute Oral, Rats (male & female)	.39 mg/kg	I
Acute Dermal, Rabbits	10-50 mg/kg	I
Acute Inhalation-rats	No test	-
Dermal Irritation-rabbits	Mild	III
Eye Irritation-rabbits	Mild	III

(See Gessert memo, August 2, 1978)

PAGES 3 THROUGH 5 ARE NOT INCLUDED. THOSE PAGES CONSIST OF  
DRAFT LABELING.