

WORKER HEALTH AND SAFETY BRANCH
DATA PACKAGE RECOMMENDATION SHEET

DATE: July 20, 1993

TO: F. Bundock, Registration Specialist

RE: PRODUCT NAME: Release Flea and Tick Collar For Dogs
ACTIVE INGREDIENT(S): (15.0%) DIAZINON
I.D. NUMBER: 137342
DOCUMENT NUMBER: 153-275
EPA REGISTRATION NUMBER: 2382-105
COMPANY NAME: Virbac Inc.,

REGISTRATION ACTION Section: 3 Label Amendment: No

RECOMMENDATION:

Register

The product is an insecticide impregnated polyvinyl collar for use on dogs. It is not intended for use on any other animal...The collar is attached on the dog's neck.

The product is not for use on puppies under one (1) year old.

The labeling indicate the product is a skin sensitizer. Repeated dermal contact is to be avoided.

The labeling is consistent with 40 CFR 156.10 and the EPA's Diazinon Reregistration Standard.

CONCLUSION:

The signal word, formulation, use, precautionary statements, and relative low acute mammalian toxicity mitigate the risks of exposure during handling.

Data Required: No

DERMAL SENSITIZATION:

Dermal Sensitization Study Submitted (Document No. 153-275).

The Dermal Sensitization study was assayed using the Draize methodology. Female guinea pigs were used for all the tests. No Induction observations were reported. The study deviated slightly from the EPA's Pesticide Assessment Guidelines 81-6. No 72 hour dermal scoring was reported for the Challenge exposure tests. It is not clear how the neat test article was prepared for the exposed tests.

The positive control was DNCB: - 0.3% (w/v) in 80 % ethanol for the Induction tests and 0.2% (w/v) in acetone for the Challenge phase. Negative (=Irritation) controls were employed.

The dermal scores for erythema and edema were zero (0) @ 24 & 48 hours.

The Dermal Sensitization study was inadequate to determine the potential risks of sensitization exposure.

At this time no Dermal Sensitization study is required.

Joshua L. Johnson
(Associate Pesticide Review Scientist)

R. Wang
(Toxicologist)

[original signed by J. Johnson & R. Wang]