

WORKER HEALTH AND SAFETY BRANCH

ADDITIONAL DATA PACKAGE RECOMMENDATION SHEET

DATE: January 25, 1991

TO: P. Anderson, Registration Specialist

RE: PRODUCT NAME: Diazinon 2% Dust  
ACTIVE INGREDIENT(S): (2.00%) DIAZINON  
I.D. NUMBER: 123004-E  
EPA REGISTRATION NUMBER: 100-445  
DOCUMENT NUMBER(S): 153-212  
COMPANY NAME: Ciba-Geigy Corp.,

TITLE: Dermal Sensitization Study in Guinea Pigs

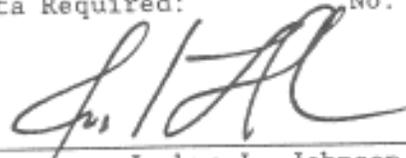
- This study is acceptable for use in future exposure assessment and mitigation evaluations.
- Archive data in Pest Management Division Library for future

COMMENTS:

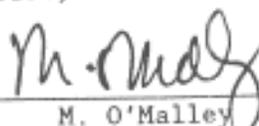
The sensitization method used for evaluating the subject product was not reported. However, the protocol used for the reported Dermal Sensitization study is identical to the Buehler method. The study was reviewed 1-25-91 and found adequate. No 72 hr dermal scoring was reported for the Induction Exposure and the Challenge Exposure tests. The undiluted test article moistened with deionized water was used for assaying the Induction Exposure and the Challenge Exposure tests. The positive control was 0.05% (w/v) DNCB diluted with ethanol.

The reported dermal scores for edema were 0.2 (48 hrs) and 0.1 (24 hrs), and 0.8 (48 hrs) and 0.3 (24 hrs) for erythema. The incidence was 6/10 (48 hrs) and 2/10 (24 hrs). The severity index was 1.25 (48 hrs) and 1.33 (24 hrs). The dermal sensitization data indicate the subject product is a skin sensitizer in the animal model tested.

Data Required: No:  Yes:

  
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 Joshua L. Johnson  
 (Associate Pesticide Review Scientist)

  
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 R. G. Wang  
 (Toxicologist)

  
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 M. O'Malley  
 (Associate Medical Coordinator)