

EPA Reviewer and  
Section Head: Marion Copley, D.V.M.  
Review section IV, Toxicology Branch I/HED

Signature: Marion Copley

Date: 8/9/93

DATA EVALUATION REPORT

8/9/93

STUDY TYPE: Primary Dermal Irritation (Rabbit); Guideline 81-5

EPA IDENTIFICATION NUMBERS

CAS No.: 54593-83-8

MRID No.: 425592-08

PC Code: 129006

Tox. Chem. No.: 663P

TEST MATERIAL: Fortress® 5G (Granule)

SYNONYM: DPX-43898-26; IN 43898-26; Phosphorothioic acid, 0,0-diethyl  
0-(1,2,2,2-tetrachloroethyl) ester

SPONSOR: Du Pont Agricultural Products, Wilmington, DE

STUDY NUMBER: HLR 1-92

TESTING FACILITY: E.I. du Pont de Nemours and Company, Haskell Laboratory for  
Toxicology and Industrial Medicine, Newark, DE

TITLE OF REPORT: Primary Dermal Irritation Study with DPX-43898-26 in Rabbits

AUTHOR: J.W. Sarver

STUDY COMPLETED: March 12, 1992

CONCLUSIONS: Primary Irritation Index: 0 (non-irritant)

TOXICITY CATEGORY: IV

CORE CLASSIFICATION: Core Guideline. This study meets the requirements set  
forth under EPA Guideline Series 81-5 for a primary dermal irritation study.

A. MATERIALS

Test Compound

Test material: DPX-43898-26 (5G Formulation)  
Identification number: 17469  
Purity: 5.3%  
Physical description: Brown solid granule  
Storage condition: Not reported  
Stability: Not reported

Dose Level: 0.5 g aliquot

Controls: None were used

Test Animals

Species: Rabbit  
Strain: New Zealand White  
Source: Hare Marland, Hewitt, NJ  
Number animals: 6  
Sex: Male  
Age: Young Adult  
Weight: 2.49-2.73 kg at study initiation

B. TEST PERFORMANCE

Environmental Conditions: Temperature  $22^{\circ} \pm 3^{\circ}\text{C}$   
Humidity  $50\% \pm 10\%$   
A 12/12 hour light/dark cycle was maintained

Skin Preparation: 24 hours prior to testing, the back was shaved.

Application: Approximately 0.5 g of test material was placed on a 2 inch gauze pad and applied to the test site. The pad was secured with non-irritating tape. The animal was then wrapped with rubber sheeting secured with clips. After 4 hours, the patch was removed and residual test material was removed by gently washing with warm water and wiping dry.

Exposure Time: 4 hrs

Observation Period: 1 hr; 24 hrs; 48 hrs; and 72 hrs

Scoring System: Skin reactions were scored using the Draize system.

C. RESULTS:

No erythema, eschar formation, or edema was observed in any animal at any observation period.

D. REVIEWERS' COMMENTS:

This study was well designed, conducted, and reported. The reviewers agree with the study authors' conclusions.

E. QUALITY ASSURANCE MEASURES:

Was the test performed under GLPs? YES

A Quality assurance statement, signed and dated March 5, 1992, was submitted and included dates on which findings had been reported. (The findings were not stated.)

# FINAL

## DATA EVALUATION REPORT

Fortress

Study Type: Primary Dermal Irritation

Prepared for:

Health Effects Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Prepared by:

Clement International Corporation  
9300 Lee Highway  
Fairfax, VA 22031

Principal Reviewer

*Pia Lindström*  
Pia Lindström, DPH

Date

*7/20/93*

Independent Reviewer

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Date

*July 27, 1993*

QA/QC Manager

*Sharon A. Segal*  
Sharon Segal, Ph.D.

Date

*7/27/93*

Contract Number: 68D10075  
Work Assignment Number: 2-097  
Clement Number: 262  
Project Officer: Caroline Gordon

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