

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

MEMORANDUM

Subject: EPA ID # 081301: Captan - Review of acute dermal and dermal irritation studies (MRID Nos. 164357 and 400214-01)

Tox. Chem. Number: 159  
Project Number: 1-2599  
Submission Number: S404177

From: Paul Chin, PhD  
Section 2  
Toxicology Branch I  
Health Effects Division (H7509C)

*Paul Chin* 1/15/92

To: Carol Peterson, PM 71  
Reregistration Branch  
Special Review and Reregistration Division (H7508W)

Thru: Joycelyn Stewart, Ph.D.  
Acting Section Head  
Section 2, Toxicology Branch I  
Health Effects Division (H7509C)

*J.S.* 1/15/92  
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Registrant: ICI Americas, Inc.

CONCLUSIONS:

The acute dermal and primary dermal irritation studies have been previously reviewed. The acute dermal study was submitted under Acc. No. 265787, Study No. T-11474, and Report date 5/22/84. The Acc No. for the primary dermal irritation study was not stated but the study was submitted under Study No. T-12526 and Report date 11/26/86. Both studies are acceptable and have been assigned a classification of either core-minimum or guideline and satisfy the guideline requirements of 81-2 and 81-5. Therefore, no additional review of these studies are required. The Data Evaluation Reports (DERs) are attached to this memorandum.

Acute dermal toxicity study--See memorandum of Marion Copley to R. Mountfort, Registration Division, HED Doc. No. 006753 and Data Evaluation Report (DER) dated April 19, 1988. Acc. No. 265787. TRID No. 470313-032). Study No. :T-11474 Report date: 5/22/84

Primary dermal irritation study--See memorandum of Mary Waller to R. Mountfort, Registration Division, HED Doc. No. 006124 and DER dated May 8, 1987. Acc. No. not stated. MRID No. :400214-01. Study No. :T-12526. Report date: 11/26/86

**STUDY CONCLUSIONS:**

1. **ACUTE DERMAL - RABBIT (81-2)**  
ACCESSION No. : 265787  
MRID No. : not stated (TRID No. 470313-032)  
Study No. : T-11474  
Report date: 5/22/84  
CONCLUSIONS:  
LD<sub>50</sub> >2000 mg/kg (limit test), no irritation.  
Toxicity category: III  
Core Classification: Minimum
2. **DERMAL IRRITATION - RABBIT (81-5)**  
MRID No. : 400214-01  
Study No. : T-12526  
Report date: 11/26/86  
CONCLUSIONS:  
No irritation was observed at 72 hours.  
Toxicity category: IV  
Core Classification: Guideline

**REQUESTED ACTION:**

The Reregistration Branch requested that the Toxicology Branch review the following studies:

1. **ACUTE DERMAL - RABBIT (81-2)**  
ACCESSION No. : 265787  
MRID No. : 164357 (TRID No. 470313-032)  
Study No. : T-11474  
Report date: 5/22/84
2. **DERMAL IRRITATION - RABBIT (81-5)**  
MRID No. : 400214-01  
Study No. : T-12526  
Report date: 11/26/86

Note: The requirements for all acute toxicity studies have been satisfied.

**DATA GAP:**

The following study has been identified as data gaps:

Metabolism (THPI moiety)-- 4 studies (MRID Nos. 415054-01 to 415054-04) have been submitted to EPA and they are being reviewed by the Toxicology Branch I.