

Copies to: [REDACTED]

E. I. du Pont de Nemours and Company
Haskell Laboratory for Toxicology and Industrial Medicine

HASKELL LABORATORY REPORT NO. 397-79 [REDACTED]

Material Tested: [REDACTED]

Haskell No.: 12,943

Sample Ready
for Testing: 3/13/79

Material
Submitted by:

Chemicals, Dyes & Pigments Dept.
Jackson Laboratory, Chambers Works

Other Codes: [REDACTED]

PRIMARY SKIN IRRITATION AND SENSITIZATION TESTS ON GUINEA PIGS

Procedure: A range-finding study was conducted with 3 male albino guinea pigs to test for skin irritation potential. A 20% solution of the test material in water was the highest concentration tested due to the skin irritation potential of the glacial acetic acid solvent. No skin irritation was observed at this level.[†]

The primary irritation test was conducted on 10 unexposed guinea pigs by applying and lightly rubbing in 0.05 ml each of a 20% and a 2% (v/v) solution of the test material in water on shaved, intact shoulder skin.

The induction phase for sensitization was a series of 4 sacral intradermal injections of 0.1 ml of a 1.0% solution in physiological saline, 1 each week beginning 2 days after the test for primary irritation.

After a 13-day rest period, the test animals were challenged for sensitization by applying and lightly rubbing in 0.05 ml each of a 20% and a 2% (v/v) solution of test material in water on shaved, intact shoulder skin. At the same time 10 unexposed guinea pigs (controls) of the same age received identical topical applications.

Results:

	<u>Test Animals</u>		<u>Control Animals</u>	
	(10 Animals - In. Avg. Wt. = 401 g 10 Animals Final Avg. Wt. = 693 g)		(10 Animals - In. Avg. Wt. = 368 g 10 Animals Final Avg. Wt. = 682 g)	
Concentration in water	20% [†]	2% [†]	20%	2%
Primary Irritation Test - 24 Hours	10 neg.	10 neg.		
- 48 Hours	10 neg.	10 neg.		
Challenge Test - 24 Hours	10 neg.	10 neg.	10 neg.	10 neg.
- 48 Hours	10 neg.	10 neg.	10 neg.	10 neg.
Sensitization Response Ratio** at 20% Concentration 0/10				

Company Sanitized. Does not contain TSCA CBI

Summary: [REDACTED] (H-12,943) caused no irritation or sensitization when tested as a 20% and a 2% (v/v) solution in water on the shaved, intact skin of guinea pigs.

No unusual dermatitis hazard is expected from the use of [REDACTED] at concentrations of 20% or less in water.

***Composition:** [REDACTED]

****Sensitization** is defined as a significant score increase at challenge over the response expected from the same amount applied initially or on the concurrent controls.

+Range Finding Results

<u>Solution (%)</u>	<u>Intact Guinea Pig Skin</u>
20	3 Neg.
10	3 Neg.
2	3 Neg.
0.2	3 Neg.

Report by:

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Toxicologist

Approved by:

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Gerald L. Kennedy
Chief, Acute Investigations

RLF/aph

Date Issued: July 20, 1979

[REDACTED]
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