

Copies to: [REDACTED]

E. I. du Pont de Nemours and Company
Haskell Laboratory for Toxicology and Industrial Medicine
HASKELL LABORATORY REPORT NO. 234-73 [REDACTED]

Material Tested: [REDACTED]

Haskell No.:
7942

Material Submitted by:
[REDACTED] Organic
Chemicals Department,
Jackson Laboratory

PRIMARY SKIN IRRITATION AND SENSITIZATION TESTS ON GUINEA PIGS

Procedure: The test for primary irritation was conducted by applying, and lightly rubbing in, 1 drop (~0.05 ml) of a 25% and 10% solution, (wt/vol) of the test material in distilled water on the shaved intact shoulder skin of 10 male albino guinea pigs. To test for the sensitization potential, a series of four sacral intradermal injections was given, one each week over a three-week period, which consisted of 0.1 ml of a 1.0% solution (wt/vol) of test material in distilled water. Following a two-week rest period, the test animals were challenged for sensitization by applying, and lightly rubbing in, 1 drop (~0.05 ml) of a 25% and 10% solution (wt/vol) of test material in distilled water on the shaved intact shoulder skin. A group of 10 previously unexposed guinea pigs received similar applications at the time of challenge to provide a direct comparison of the challenge reactions on skin of similar age.

Results:

	Reactions* on Intact Guinea Pig Skin			
	Test Areas (10 Animals - In. Avg. Wt. = 467 g Final Avg. Wt. = 718 g)		Control Areas for Challenge Test (10 New Animals - Average Wt. - 711 g)	
Concentration in distilled water	25%	10%	25%	10%
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.
Number of Animals Sensitized**				

0/10

Summary: [REDACTED] produced no irritation or sensitization when tested on guinea pig skin at concentrations of 25% and 10% in distilled water.

Company Sanitized. Does not contain TSCA CBI

- * Reaction Code: +, ++, +++ = mild, moderate, strong erythema; ++++ = erythema plus edema; +++++ = necrosis.
** Sensitization is defined as a two-step score increase (++) at challenge over the response expected from the same amount applied initially or on the concurrent controls.

Report by: _____

O. Louis Dashiell

O. Louis Dashiell

Approved by: _____

Charles F. Reinhardt

Charles F. Reinhardt
Assistant Director

NB E3281 p. 50

OLD/ smw

Date: May 8, 1973

Company Sanitized. Does not contain TSCA CBI