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

HASKELL LABORATORY REPORT NO. 737-71 [REDACTED]

Material Tested	Haskell No.	Sample Ready For Testing	Other Codes	Material Submitted By
[REDACTED]	11,336	6-23-77	[REDACTED]	[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 60% and 6% solution (vol/vol) of the test material in 0.9% saline 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% solution (vol/vol) of test material in 0.9% saline. 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 60% and 6% solution (vol/vol) of test material in 0.9% saline 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

	<u>Test Areas</u>		<u>Control Areas for Challenge Test</u>	
	(10 Animals - In. Avg. Wt. = 498 g Final Avg. Wt. = 729 g)		(10 New Animals - Average Wt. = 733 g)	
Concentration in 0.9% saline	60%	6%	60%	6%
Primary Irritation Test-24 Hours	1+, 9 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**	0/10			

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Summary: [REDACTED] caused slight to no irritation at 24 hrs as a 60% solution in 0.9% saline. No irritation was observed at 6% concentration and no sensitization observed at challenge. No dermatitis hazard is expected from this material if good industrial hygiene practices are followed.

* Reaction: +, ++, +++ = mild, moderate, strong erythema; +++ = erythema plus edema; ++++ = necrosis.

** 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.

Composition: [REDACTED]

Report by:

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