

DuPont Haskell Laboratory
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DuPont Haskell Laboratory

8EHQ - 0898 - 14251

August 28, 1998

Via Federal Express

Document Processing Center (7407)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460-0001

MR 7178



8EHQ-98-14251

Dear 8(e) Coordinator:

N,N-Dibenzylhydroxylamine
CAS No. 621-07-8

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This letter is to inform you of the results of a recently completed guinea pig dermal sensitization study (Buehler Method) with the above referenced material.

Twenty male Hartley guinea pigs were induced with 100% test material (0.5 gm test material moistened with 0.5 ml of propylene glycol/animal) and challenged with 0.5 ml of a 50% suspension of the test material in propylene glycol. The same procedures were carried out on a contemporaneous control group except that the test material was replaced by propylene glycol for both the induction and challenge (vehicle control) or for induction only (test material irritation control). The positive control material (hexylcinnamaldehyde, technical grade, 85%) was not run concurrently with the test material but is periodically tested (every 6 months) to validate the system.

The test material produced a positive sensitization response. Following the challenge with the test material, 13 out of 20 animals (65%) gave a positive response. Twenty-four and 48 hours post-challenge, no redness to faint redness and no redness to moderate redness was observed, respectively, at the test material challenge sites. No redness was observed at the vehicle and test material irritation control sites.

The effect described above is being reported in accordance with the guidance given in the EPA TSCA Section 8(e) Reporting Guide (June 1991).

Sincerely,

A. Michael Kaplan

A. Michael Kaplan, Ph.D.
Manager-Regulatory Affairs

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Contains No CBI

AMK/GSL:jmg
(302) 366-5260



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