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Document Control Officer 8(e) Coordinator
U. S. Environmental Protection Agency – East
Confidential Business Information Center
Mail Code: 7407M
1200 Pennsylvania Ave. N.W.
Washington, DC 20460

Dear Sir:

In accordance with TSCA 8(e) requirements, [redacted] is submitting Assessment of contact hypersensitivity to polyisocyanate [redacted] in the albino guinea pig with polyisocyanate [redacted].

The purpose of the study was to evaluate the skin sensitization potential of the polyisocyanate test substance.

The information submitted in this study is considered "Confidential Business Information". A sanitized, as well as a confidential version, is being submitted.

Please contact me if you have any questions.

Sincerely,

8EHQ-07-16848

Enclosures

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COMPOUND: [redacted]

STUDY TITLE: Assessment of contact hypersensitivity to polyisocyanate [redacted] in the albino guinea pig

REPORT OR STUDY NO.: [redacted]

The purpose of the study was to evaluate the skin sensitization potential of the test substance.

The study was conducted in accordance with OECD test guideline 406. Ten (10) guinea pigs (Crl: HA) served as experimental group (exposed to the test substance) and 5 others as negative controls. Test animals were induced with 20% solution intradermally and 100% test substance topically. Challenge concentrations were 25, 10 and 5% topical administration. The application sites were evaluated 24, 48 and 72 hours postchallenge.

The polyisocyanate test substance elicited grade 1 skin reaction in 9/10 with 10% and 7/10 with 5% in the absence of irritation response. Thus, the investigator concluded the test substance has an extreme dermal sensitization potential.

A criterion for reporting skin sensitization results is the observation of a strong sensitization response. The data (high incidence) and the supporting conclusion of the investigator meet this criterion. Therefore, it is recommended that these results be reported under TSCA 8(e).