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Submitting Organization	E.I. DUPONT DENEMOURS & CO		
Contractor	HASKELL LAB		
Document Title	INITIAL SUBMISSION: LTR FROM DUPONT TO USEPA REGARDING ONGOING 28-DAY INHALATION STUDY IN RATS W/TRANS- & CIS-1,2-DICHLOROETHYLENE & NONAFLUOROHEXENE, DATED 063000		
Chemical Category	TRANS- & CIS-1,2-DICHLOROETHYLENE & 3,3,4,4,5,5,6,6,6-NONAF*		

A. 03

8EHQ-0700-14748

DuPont Haskell Laboratory
for Toxicology and Industrial Medicine
Elkton Road, P.O. Box 50
Newark, DE 19714-0050



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DuPont Haskell Laboratory

2000 JUL -3 AM 11: 21



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June 30, 2000

MR 37225

Via Federal Express

Document Processing Center (7407)
Room G99 East Tower
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U. S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

Contains No CBI



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Dear 8(e) Coordinator:

- 70 % trans-1, 2-dichloroethylene [CAS# 156-60-5]
- 5 % cis-1, 2-dichloroethylene [CAS# 156-59-2]
- 25 % 3,3,4,4,5,5,6,6,6-nonafluoro-1-hexene [CAS# 19430-9394]

This letter is to inform you of the preliminary results of an ongoing 28-day inhalation study in rats with the above referenced test material.

Four groups of 20 young, adult, CrI:CD®(SD)IGS BR rats per sex per group are being exposed by inhalation to the test material, at concentrations of 0, 400, 2000, or 8000 ppm, for 6 hours per day, 5 days per week. Body weights and food consumption will be recorded weekly. Clinical signs will be recorded after the daily exposure period, and weekly at the time of body weight determination. After approximately 4 weeks, clinical pathology parameters, a functional observational battery, motor activity, and gross and microscopic morphology will be evaluated. A subset of rats will be allowed to recover for approximately one month, followed by similar evaluations at the end of the recovery period if warranted by the results of the study.

Rats exposed to 8000 ppm exhibited tremors, ataxia, lethargy, and diminished or no response to a sound stimulus during exposure. However, when the animals were returned to their home cage at the end of the daily exposure, these clinical signs were no longer evident. A diminished response to sound during exposure was observed in rats exposed to 2000 ppm. In addition, on exposure day 15, one animal in the 2000 ppm group was observed to have tremors. Tremors have not been observed again in this group.

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Under these experimental conditions, the clinical signs described above would appear to be reportable, based upon guidance in the EPA TSCA Section 8(e) Reporting Guide (June, 1991).

Sincerely,

A handwritten signature in cursive script that reads "A. Michael Kaplan". The signature is written in black ink and extends across the width of the page.

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

AMK/LAM:clp
(302)366-5260