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Submitting Organization	E I DUPONT DE NEMOURS & CO		
Contractor	DUPONT HASKELL LABORATORY		
Document Title	INITIAL SUBMISSION: LETTER FROM DUPONT HASKELL LABORATORY FOR DUPONT CHEM TO USEPA RE RESULTS OF ACUTE ORAL TOXICITY OF 1,2,2-TRICHLORO-1,1-DIFLUORO IN RATS, DATED 6/8/1998		
Chemical Category	ETHANE, 1,2,2-TRICHLORO-1,1-DIFLUORO		



BEHQ-98-14195

DuPont Haskell Laboratory

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

8EHQ - 0698 - 14195

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

Dear 8(e) Coordinator:

Ethane, 1,2,2-trichloro-1,1-difluoro  
CAS No. 354-21-2

This letter is to inform you of the results of an acute oral toxicity study recently conducted with the above referenced material.

The test material was administered neat to fasted male and female rats at dosages of 2000, 3500, or 5000 mg/kg. The rats were observed for clinical signs of toxicity approximately 1 hour after dosing and over a 14-day observation period. All rats that were found dead or sacrificed by design at the end of the observation period were given a gross pathological examination.

Deaths occurred in 0/5, 3/5, and 4/5 male rats and 0/5, 4/5, and 5/5 female rats treated at 2000, 3500, and 5000 mg/kg, respectively. Rats were found dead on test days 1 or 2. The combined oral LD50 for male and female rats was calculated to be 3286 mg/kg.

Moribundity was observed on the day of dosing in all treated rats (except 1 male at 3500 mg/kg). No other clinical signs of toxicity were observed in rats dosed at 2000 or 3500 mg/kg. Ataxia, lethargy, and clear ocular discharge were observed on the day of dosing in all male and female rats treated at 5000 mg/kg; 1 male and 1 female also exhibited moribundity and clear ocular discharge on test day 2. In addition, ruffled fur was observed in 1 male and 1 female rat treated at 5000 mg/kg.

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

Sincerely,

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

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(302) 366-5260



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