

8EHQ-1294-13288

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DuPont Central Research and Development

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December 19, 1994

Document Processing Center (TS-790)  
Attention: 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency  
401 M St., SW  
Washington, DC 20460



8EHQ-94-13288  
INIT 12/20/94

Contains No CBI

Dear Coordinator:

This letter is to inform you of preliminary results from a cardiac sensitization study being conducted in beagle dogs.

Propane, 1,1,1,2,3,3-hexafluoro- (CAS No. 431-63-0)

In this study, 5 beagle dogs were exposed for approximately 10 minutes to 2.5%, 5% or 10% concentrations of the test material. After 5 minutes of exposure, the dogs were injected intravenously with a challenge dose of epinephrine. At 10%, a marked cardiac sensitization response was observed in all 5 dogs. Three of the dogs recovered but 2 dogs exhibited a cardiac arrest and died. At 5%, only one dog was exposed and a marked cardiac sensitization response was observed that was fatal. No cardiac sensitization responses were apparent at 2.5%, although these studies are continuing. No other clinical signs of toxicity were evident.

The effect described above is being reported in accordance with the guidance given in the EPA TSCA Section 8(e) Reporting Guide (June, 1991). DuPont does not assert that the effect described herein reasonably supports a conclusion of substantial risk.

Sincerely,

*Charles F. Reinhardt*

Charles F. Reinhardt, M.D.  
Director



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12/30/94