

8EHQ-0795-13486

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July 19, 1995

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Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
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Dear 8(e) Coordinator:

**Propane, 1,1,1,2,3,3,-hexafluoro-
(HFC-236ea)
CAS # 431-63-0**

This letter is to inform you of the preliminary results of a 90-day inhalation study conducted with HFC-236ea. In this study, groups of 10 male and 10 female rats were exposed at concentrations of 5,000, 20,000 or 50,000 ppm for six hours per day, five days per week for approximately 90 days. At the end of the 90 day exposure period, male rats exposed to 50,000 ppm showed increased testicular weights and increased testes-to-brain weight ratios. In addition, dilatation of the seminiferous tubules was observed in the testes of the 50,000 ppm males. There were no effects on either germ cells or Sertoli cells and the epididymides appeared unaffected with apparently normal quantities of sperm. No testicular effects were observed in rats exposed at 5,000 or 20,000 ppm. The biological significance of this finding is unknown.

Under these experimental conditions, the observed finding would appear to be reportable, based upon EPA guidelines regarding the reportability of such data under EPA TSCA Section 8(e) criteria.



88950000270

Sincerely,

Charles F. Reinhardt

Charles F. Reinhardt, M.D.
Director

CFR/DPK:dj
Phone: (302) 366-5285

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