

8EHQ-0496-13615
ORIGINAL



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and Development

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April 2, 1996

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



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Dear 8(e) Coordinator:

1,5,9-Cyclododecatrlene
CAS Number 4904-61-4



88960000095

This letter is to inform you of the results of a recently completed acute inhalation study in rats with the above-referenced test material.

Groups of six rats were exposed nose only to atmospheres of the test material for four hours. The exposures were conducted at concentrations of 6.2 or 8.2 mg/L. One mortality was observed during the 8.2 mg/L exposure. No other mortalities were observed during the study. During the exposures the rats exhibited diminished or no response to sound stimulus. Clinical signs noted in rats from both exposures immediately following exposure included ocular and nasal discharges, irregular respiration, abnormal gait or mobility, and tremors. Additionally, the rats exposed to 8.2 mg/L exhibited aggressive behavior and vocalization. Tremors were observed only on test day 1 in both groups. Abnormal gait or mobility was observed only on test day 1 in rats exposed to 6.2 mg/L and up to 3 days following exposure in rats exposed to 8.2 mg/L. No clinical signs of toxicity were observed after day 4 following exposure.

Since these observations appear to meet the criteria for reporting, as described in EPA's June 1991 "TSCA Section 8(e) reporting Guide", the Agency is being notified of these results.

Sincerely,

Charles F. Reinhardt
Charles F. Reinhardt, M.D.
Director

CFR:JS/dj
(302) 366-5285

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