

8EHQ-0597-1303s

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May 8, 1997

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

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Dear 8(e) Coordinator:

8EHQ-0791-1303 (Cymoxanil)
and
Mancozeb
[CAS# 8018-01-7]

This letter is to inform you of the results of a recently conducted acute oral toxicity study (LD50) in rats with a R&D proprietary mixture. Groups of 5 male and 5 female Crl:CD[®]BR rats were fasted overnight and then administered the test mixture by intragastric intubation. Male rats were dosed at 2959, 5000, or 6500 mg/kg, and female rats were dosed at 2959, 3846, or 5000 mg/kg. After dosing, the rats were observed for mortality and clinical signs of toxicity over a 14-day observation period.

The R&D proprietary mixture contained cymoxanil and mancozeb. Mortality occurred in 0/5, 3/5, and 3/5 male rats dosed at 2959, 5000, and 6500 mg/kg, respectively. Mortality occurred in 2/5, 2/5, and 5/5 female rats dosed at 2959, 3846, and 5000 mg/kg, respectively. The oral LD50 was 5350 mg/kg for male rats and 3478 mg/kg for female rats.

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Hypoactivity and ataxia were observed in surviving male rats dosed at 2959, 5000, or 6500 mg/kg and in surviving female rats dosed at 2959 or 3846 mg/kg. A surviving male rat dosed at 2959 mg/kg and a surviving female rat dosed at 3846 mg/kg were sensitive to touch. Impaired righting reflex and convulsions were observed in a surviving female rat dosed at 3846 mg/kg. A surviving female rat dosed at 2959 mg/kg exhibited hyperactivity. Hypoactivity, ataxia, sensitivity to touch, impaired righting reflex, and convulsions were observed in a 3846 mg/kg female rat that was found dead on test day 8.

Under these experimental conditions, the clinical signs described above appear to be reportable, based upon EPA guidance regarding the reportability of such data under TSCA Section 8(e) criteria.

Sincerely,

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