

8EHQ-0298-13035

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February 18, 1998

Via Federal Express

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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)  
8EHQ-93-8733 (Substituted Heterocycle)

This letter is to inform you of the results of a recently conducted acute oral toxicity study (LD50) in mice with an R&D proprietary mixture containing these materials. Groups of 5 male and 5 female CrI:CD<sup>®</sup>-1(ICR)BR mice were fasted and then administered the test material by intragastric intubation. After dosing, the mice were observed for mortality and clinical signs of toxicity over a 14-day observation period.

The R&D proprietary mixture contained substituted heterocycle and cymoxanil. Male mice were dosed at 1000, 2500, or 5000 mg/kg, and female mice were dosed at 500, 2500, or 5000 mg/kg. Mortality occurred in 3/5, 4/5, and 5/5 male mice dosed at 1000, 2500, and 5000 mg/kg, respectively. Mortality occurred in 1/5, 5/5, and 5/5 female mice dosed at 500, 2500, and 5000 mg/kg, respectively. Lethargy was observed in surviving male mice dosed at 1000 and 2500 mg/kg and in surviving female mice dosed at 500 mg/kg. Lethargy and abnormal gait were observed in a male mouse dosed at 1000 mg/kg and in a female mouse dosed at 500 mg/kg. Both of these mice were found dead on test day 6. The LD50 was estimated to be 855 mg/kg for male mice and 673 mg/kg for female mice.

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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