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September 16, 1999

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

MR 26525

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 in rats with an R&D proprietary mixture containing these materials. The test material was administered neat to 3 groups of 5 fasted male rats at a dosage of 1000, 2000, or 3000 mg/kg and to 2 groups of 5 fasted female rats at a dosage of 1000 or 3000 mg/kg. For the female rats dosed with 1000 mg/kg, the test material was mixed with deionized water to deliver an accurate dose. The rats were observed for clinical signs of toxicity on the day of dosing and over a 14-day observation period. All rats that were found dead or sacrificed by design at the end of the observation period were given a gross pathological examination.

The R&D mixture contained cymoxanil and substituted heterocycle. Death occurred in 0/5, 2/5, and 4/5 male rats dosed at 1000, 2000, and 3000 mg/kg, respectively. Death occurred in 1/5, 2/5, and 5/5 female rats dosed at 500, 1000, and 3000 mg/kg, respectively. Abnormal gait or mobility was observed in surviving female rats in the 500 mg/kg dose group. Lethargy was observed in surviving female rats in the 500 and 1000 mg/kg dose groups. The oral LD<sub>50</sub> was 2148 mg/kg for male rats and 1025 mg/kg for female rats.

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,

8EHQ-91-1303  
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Company Sanitized

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