

8EHQ - 1097 - 1303S

PUBLIC COPY

October 7, 1997

Via Federal Express

Document Processing Center (7407)
Attention: 8 (e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

8EHQ-93-8733
8EHQ-91-1303
899800000 5s

97 OCT - 8 11:11:24
RECEIVED

Dear 8(e) Coordinator:

8EHQ-93-8733; Substituted Heterocycle
8EHQ-91-1303; Cymoxanil
Ethyl Hydrogen Phosphonate Aluminum Salt(CAS #15845-66-6)

This letter is to inform you of the results of a recently conducted acute oral toxicity study (LD50) in fasted rats with a R&D proprietary mixture containing the above referenced materials.

The test mixture, suspended in deionized water, was administered by oral gavage to 3 groups of 5 fasted male rats at dosages of 2959, 5000, or 6500 mg/kg and 3 groups of 5 fasted female rats at dosages of 2959, 3846, or 5000 mg/kg of body weight. The rats were observed for clinical signs of toxicity approximately 1, 3, and 4 hours after dosing, and surviving rats were weighed and observed during a 14-day observation period. All rats that were found dead or were sacrificed by design at the end of the observation period were given a gross pathological examinations.

There were deaths in 1/5, 2/5, and 4/5 males in the 2959, 5000, and 6500 mg/kg groups, respectively, and 2/5, 5/5, and 5/5 female rats in the 2959, 3846, and 5000 mg/kg dose groups, respectively. The LD50 was determined to be 3344 mg/kg.

Hypoactivity was observed in most of the male and female rats dosed on study which included animals that survived or were found dead. Tremors were noted in 1 surviving male (5000 mg/kg) and 1 surviving female (2959 mg/kg) and in rats that did not survive the study. Five surviving rats (1 male and 2 females at 2959 mg/kg, 1 male at 5000 mg/kg, and 1 male at 6500 mg/kg) and 1 rat found dead (1 female at 3846 mg/kg) exhibited impaired muscle coordination. The clinical observation, sensitive to touch, was noted in 3 male rats dosed at 6500 mg/kg (1 of which survived) and in 2 females dosed at 3846 mg/kg.

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,

97 OCT - 8 11:11:57
RECEIVED

COMPANY SANITIZED

Best Available Copy