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DU PONT CENTRAL RESEARCH AND DEVELOPMENT

8EHQ-1292-1303

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

Dear Coordinator:

TSCA 8(e) Submission of 8EHQ 0791-1303

This letter is to inform you of the preliminary results of a recently completed developmental toxicity study with Cymoxanil.

Groups of 25 rats were dosed by gavage with suspensions of the test material in methyl cellulose equivalent to 0, 10, 25, 75, or 150 mg/kg on days 7-16 of gestation (copulation plug detection was designated as day 1). Surviving females were sacrificed on day 22 of gestation and the live fetuses examined for external, visceral and skeletal alterations.

Significant developmental toxicity was evident at levels of 25 mg/kg/day and above. The incidence of fetal variations was significantly increased for these three levels; these increases were largely the result of retarded skeletal ossification. The incidence of fetal malformations was significantly increased for these groups as well. The number of live fetuses per litter was significantly reduced for the 150 mg/kg/day group; the number of male fetuses was significantly reduced at 75 and 150 mg/kg/day. Mean fetal weight was significantly reduced for the high dose group. The mean number of resorptions per litter was also significantly increased for this group.

Signs of maternal toxicity in the form of decreased weight gain and decreased feed consumption were observed at levels of 25 mg/kg/day and above. In addition, there was an increased incidence of clinical observations at the highest dose level due mainly to increased occurrences of alopecia.

Sincerely,

*Charles F. Reinhardt*

Charles. F. Reinhardt, M.D.  
Director

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