



**Great Lakes**  
Chemical Corporation

**Contains No CB:**

8EHQ - 0997 - 14018

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8EHQ-97-14018

25 August 1997

(A)

Document Control Office (7407)  
ATTN: TSCA Section 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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RE: TSCA Section 8(e) Notification of 2,4,6-Tribromophenol  
(When responding, please refer to JAB-97-179)

Gentlemen:

This TSCA 8(e) substantial risks notification regarding an acute oral toxicity study of PH-73 in albino rats is being submitted by Great Lakes Chemical Corporation. The CAS Registry Number for this halogenated phenol is 118-79-6. The following information is summarized from unaudited data that were received from the contract laboratory.

The test material (2,4,6-tribromophenol) was suspended in 0.5% carboxymethylcellulose and was administered orally by gavage to groups of Crl:CD<sup>®</sup>(SD)BR rats. The dosage levels were 2924, 3824, and 5000 mg/kg. A dosage group consisted of five males and five females. All animals were dosed at a volume of 20 ml/kg.

Individual clinical observations included convulsions, hypoactivity, tremors, wet yellow material - urogenital area, wet clear material around mouth, and/or clear ocular discharge in one to five males and females per each of the three dose groups. In those animals that survived to study termination, these clinical signs of toxicity lasted between one to four hours post-administration. Mortality occurred in one male and female rat at the dose level of 2924 mg/kg, in two males and three females at the dose level of 3824 mg/kg, and in five males and four females at the dose level of 5000 mg/kg. All deaths were recorded within three hours of test article administration.

Under the conditions of this study, the acute oral LD<sub>50</sub> was determined to be 3686 mg/kg for males, 3705 mg/kg for females, and 3704 mg/kg for combined sexes when

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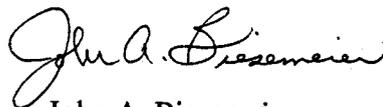
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2,4,6-tribromophenol is administered orally to rats as a suspension in 0.5%  
carboxymethylcellulose.

If you have any questions, please feel free to contact me at (765) 497-6223.

Sincerely,



John A. Bieseimer  
Regulatory Toxicologist  
Regulatory Affairs

JAB/clw

cc: Dr. Rubin Westin (Ameribrom)