



8EHQ - 0399 - 14403¹⁹⁹⁸⁶

Great Lakes Chemical Corporation

5 March 1999

VIA CERTIFIED MAIL

Document Processing Center
Mail Code 7407
Room E-G99 East Tower
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460



BEHQ-99-14403

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ATTN: TSCA Section 8(e) Coordinator

RE: TSCA Section 8(e) Notification on both 2,4,6-Tribromophenol and
2,4,6-Trichlorophenol
(When responding, please refer to JAB-99-025)

Dear TSCA 8(e) Coordinator:

This TSCA Section 8(e) substantial risk notification is being submitted by Great Lakes Chemical Corporation, West Lafayette, IN and the Griffin Corporation, Valdosta, GA. The notification is concerning the range-finder portion of *In Vivo* mouse micronucleus tests that are being performed with 2,4,6-Tribromophenol (TBP) [CAS No. 118-79-6] and 2,4,6-Trichlorophenol (TCP) [CAS No. 88-06-2]. These two test materials are being evaluated individually, but the testing was scheduled so that both studies would be conducted at essentially the same time. The studies are being performed at BioReliance, Rockville, Maryland. The information summarized below was obtained from the laboratory in the form of non-audited draft tables and was received on February 22, 1999.

The range-finder part of the study was performed to determine (select) the dose levels that will be administered during the definitive phase of the study. The test materials (TBP & TCP) were each administered via intraperitoneal injection to groups of five male and five female mice at dose levels of 200, 400, 600 and 800 mg/kg of body weight.

Clinical observations that were noted in one or more animals that received TBP included lethargy and piloerection at 200 mg/kg. Lethargy, piloerection, convulsions and crusty eyes were noted in all five animals of both sexes at 400 mg/kg. One animal of each sex exhibited tremors and crusty eyes at 600 mg/kg, while all animals in this dose group were noted as having experienced convulsions. Prior to dying, convulsions were

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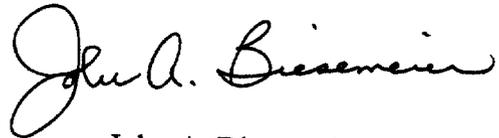
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the only observation recorded for all animals that received TBP at 800 mg/kg. All animals that were dosed at 600 and 800 mg/kg died within 24 hours. Those animals that were dosed at 200 and 400 mg/kg with TBP survived the three day post administered observation period. Based on the conditions of the range-finder part of the study, the acute IP LD₅₀ in mice for TBP is 442.7 mg/kg.

Clinical observations that were noted in one or more animals that received TCP included lethargy, piloerection and crusty eyes at 200 mg/kg. These symptoms in addition to irregular breathing and convulsions were noted at 400mg/kg. Prior to dying, convulsions were the only observation recorded for all animals that received TCP at either 600 or 800 mg/kg. All that were dosed at 600 and 800 mg/kg animals died within 24 hours. Also four of the five animals of each sex that were dosed at 400mg/kg with TCP died within 24 hours. Those animals that were dosed at 200 mg/kg with TCP survived the three day post administered observation period. Based on the conditions of the range-finder part of the study, the acute IP LD₅₀ in mice for TCP is 354.2 mg/kg.

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

Sincerely,



John A. Bieseimeier
Manager, Corporate Toxicology

JAB/jab

cc: Dr. V. J. Piccirillo (NPC, Inc.)
Mr. A. Las (Griffin Corp.)

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