



8EHQ - 1098 - 14290¹¹²²¹

Great Lakes Chemical Corporation

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Internal ID #: 98-03

6 October 1998

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Attention: TSCA Section 8(e) Coordinator

RE: TSCA Section 8(e) Notification of 2-Bromopropane (isopropyl bromide)
[CAS # 75-26-3]
(When responding, please refer to JAB-98-118)

Dear Sir:

This TSCA Section 8(e) substantial risk notification concerning an inhalation developmental and reproductive screening study in rats with 2-Bromopropane is being submitted by Great Lakes Chemical Corporation. The study was performed at the Japan Bioassay Research Center, 2445 Hirasawa, Hadano, Kanagawa 257, Japan. The information summarized below was obtained from the raw data (copy), which was received on September 10, 1998 in Japanese. The English translation on specified data was received on September 18, 1998.

The test material was administered via inhalation to groups of 10 male and 10 female rats at concentrations of 0, 125, 250, 500, or 1000 ppm for 6 hours per day, seven days per week. Both sexes were exposed to the test material two weeks prior to mating and during the mating period. Males were further exposed at least two weeks after the mating session, until the minimum total exposure period of six weeks had been completed. Females were exposed up to and including day 19 of gestation, unless no evidence of copulation and then they were exposed up to the day prior to scheduled necropsy.

The specified raw data that was translated into English included information on reproduction, developmental, pups/litter, specific absolute organ weights, and gross necropsy findings. Mean live litter size appears to be significantly decreased at 1000 ppm. Postnatal survival may be decreased at 1000 ppm, as well. Decreased absolute



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testicular weights were noted in a dose-related response down to and inclusive of 250 ppm. Necropsy findings described the testes in the three highest exposure groups (250, 500, and 1000 ppm) as small. Histopathology findings not yet available.

If you have any questions regarding this letter, please contact me at 765-497-6223.

Sincerely,

A handwritten signature in black ink, reading "John A. Biesemeier". The signature is written in a cursive style with a large initial "J" and "B".

John A. Biesemeier
Regulatory Toxicologist
Regulatory Affairs

JAB/jab