



DuPont Haskell Laboratory

DuPont Haskell Laboratory
for Toxicology and Industrial Medicine
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8EHQ-1098-14196

Contains No CBI

October 14, 1998

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 S.W.
Washington, D.C. 20460-0001

MR 11339

POLL 88980000/62
PDCM 88980000/63

Dear 8(e) Coordinator:

8EHQ-98-14195
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This letter is to inform you of the preliminary results obtained during the inhalation exposure period of a rat bone marrow micronucleus assay with the above referenced test material.

During the exposure period for the micronucleus study, 3 groups of 5-6 male and female Crl:CD[®](SD)IGS BR rats each were exposed (whole body) by inhalation, to vapor atmospheres of the test material at concentrations of 1000, 2000, or 4000 ppm, 6 hours/day, for a total of 2 exposures. One male rat exposed to 4000 ppm died during the first exposure. Narcosis (no response to sound stimulus) was observed in all rats exposed to 2000 or 4000 ppm within the first hour of each exposure and lasted throughout the remainder of each exposure. Ataxia was also observed in 1 male and 1 female rat exposed to 4000 ppm briefly during the initiation of the first exposure. Slightly less severe narcotic effects were noted in rats exposed to 1000 ppm during each exposure, with female rats having diminished or no response to sound stimulus within 1.5 hours of initiation of each exposure and male rats having a normal response to sound stimulus during the first exposure but having a diminished response within 1 hour of initiation of the second exposure. Immediately following each exposure, most rats exposed to 4000 ppm had ataxia and lethargy. All rats recovered from these effects within an hour of the end of each exposure. Instances of slight to moderate body weight losses were observed in some rats following exposures.

Under these experimental conditions, the findings described above appear to be reportable, based upon EPA guidance regarding the reportability of such data under TSCA Section 8(e) criteria.

Sincerely,

A. Michael Kaplan

A. Michael Kaplan, Ph.D.
Manager, Regulatory Affairs

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