ORIGINAL

TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

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DOES NOT CONTAIN CBI

MR# 338331

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September 20, 2011

VIA FEDERAL EXPRESS

Attn: TSCA Declassification Coordinator
U.S. Environmental Protection Agency
Office of Pollution Prevention and Toxics
Confidential Business Information Center (CBIC)
EPA East Building, Room 6428
1201 Constitution Avenue
Washington, D.C. 20004-3302

Public Copy

Re: Declassification Activity - TSCA §8(e) Submission
Originally Assigned 8EHQ Number: 8EHQ-99-14388 (letter dated 02.23.99)
Originally Assigned Bar Code: 88990000107
Supplemental Submission - Revised Public Copy of Submission

Dear TSCA Declassification Coordinator:

The above-identified TSCA §8(e) submission was reviewed in connection with the EPA 2010 CBI Declassification Challenge initiative. For that submission only, it was determined that the confidential business information (CBI) claims may be withdrawn.

Please find enclosed a revised public copy of the above-identified submission. The originally assigned 8EHQ number has been added by the submitter to the first page of the enclosed revised public copy of the submission. Please note that by withdrawal of the CBI claims, DuPont is not relinquishing any property rights to the study in issue.

Very truly yours,

Andrea V. Malinowski (dwd)

Andrea V. Malinowski

Enclosure

CONTAINS NO CBI

Revised Public Copy - Submitted 09.20.11
Originally Assigned 8EHQ Number: 8EHQ-99-14388
Originally Assigned Bar Code: 88990000107

DuPont Haskell Laboratory
for Toxicology and Industrial Medicine
Elkton Road, P.O. Box 50
Newark, DE 19714-0050

Public Copy

DuPont Haskell Laboratory

February 23, 1999

Via Federal Express

~~Confidential Business Information~~

Document Processing Center (7407)
Attention: 8(e) Coordinator
Office of Pollution, Prevention, and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

Dear 8(e) Coordinator:

1-Chloro-1-fluoroethane
CAS # 1615-75-4
Generic name: Chlorofluoroalkane

This letter is to inform you of the results of two mouse micronucleus range finding studies which were recently conducted with the above referenced test material.

Each micronucleus range finding study consisted of a 6 hour exposure, via the inhalation route, of 5 male and 5 female Crl:CD-1® (ICR)BR mice to the test material. Mice were observed during exposures and for 2 days post-exposure for clinical signs of toxicity.

In the first range finding study, the exposure concentration increased in step-wise fashion from approximately 3500 ppm to 41000 ppm during the first 3 hours of exposure, and then remained at approximately 41000 ppm for the duration of exposure. As the exposure concentration increased from approximately 16000 to 27000 ppm, the mice became less active and exhibited a decreased alerting response. At approximately 35000 to 41000 ppm, mice exhibited incoordination, muscle fasciculations, erratic mobility, and stereotypy. After approximately 1.5 hours at 41000 ppm, extremities appeared pale (nose, ears) or blue (tail). Near the end of the exposure, mice exhibited ptosis.

In the second range finding study, the exposure concentration increased in step-wise fashion from approximately 21000 ppm to 56000 ppm during the first hour of exposure. Over the next hour, the exposure concentration decreased in step-wise fashion to approximately 40000 ppm and remained steady at this level for the duration of the study. As the exposure concentration increased from approximately 21000 to 34000 ppm, the mice exhibited ptosis, incoordination, stereotypy, decreased motor activity, and body tremors. Within approximately 0.5 hour, during which time the exposure concentration remained relatively steady at approximately 30000 ppm, the motor activity of the mice increased. As the concentration increased to approximately 56000 ppm, most of the mice became prone, exhibiting irregular respiration and stereotypy. Within approximately 5 minutes at this concentration, 2 mice became convulsive. These clinical signs abated as the exposure concentration was lowered to approximately 40000 ppm. At 40000 ppm, ptosis, incoordination, stereotypy, and discoloration of the extremities (pale nose, ears and blue tails) were observed.

For both range finding studies, clinical signs of toxicity began to diminish in intensity within approximately 15 minutes of shutting down the exposure system. Within approximately 40 minutes of shutting down, the mice returned to normal appearance and were alert and active. No clinical signs were observed at 1 or 2 days post-exposure in either range finding study. In the second range finding study, one male mouse was found dead 1 day post-exposure.

The effects described above are being reported in accordance with the guidance given in the EPA TSCA Section 8(e) Reporting Guide (June 1991).

~~Substantiation of our claim of confidentiality is enclosed.~~

Sincerely,

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

AMK/LRC:jmg
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Origin ID: ZWIA

FedEx Express

J112011080502 25

Ship Date: 20SEP11
ActWgt: 1.0 LB
CAD: 4554543/INET3180

Delivery Address Bar Code

SHIP TO: (202) 564-8955 BILL SENDER

Confidential Bus Info (CBIC)
US EPA Off of Poll Prevent & Toxics
EPA East Building, Room 6428
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Ref #
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