

TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

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DuPont Haskell Global Centers
for Health and Environmental Sciences
1090 Elkton Road, P.O. Box 50
Newark, DE 19714-0050

October 30, 2009

Via Federal Express



Document Processing Center (Mail Code 7407M)
Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency, ICC Building
1201 Constitution Ave., NW
Washington, DC 20004



Dear 8(e) Coordinator:

N-Methylolacrylamide
924-42-5

This letter is to inform you of the results of two pre-1977 (1956) oral toxicity studies in rats (an acute and subacute) which we recently became aware of with the test substance referenced above.

Oral Acute Toxicity Study:

The test substance, in distilled water was administered by gavage to male albino rats from Charles River Breeding Lab at dose levels of 2250, 1500, 1000, 670, 450, 300, 200 or 130 mg/kg of body. All surviving rats were weighed and observed for clinical signs for 10-12 days post dosing.

The rat dosed at 2250 mg/kg showed marked discomfort, was pale with ruffled fur, irregular breathing and very unsteady. This rat died approximately 5 and ½ hours after dosing. The rats dosed at 1500 and 1000 mg/kg showed slight discomfort, and/or was pale, with ruffled fur. Both rats were found dead on the day after dosing. At 670 mg/kg, the rat lost weight, was nervous, weak in the hind quarter, jittery, eyes bulging, rapid respiration, very weak, and had a tendency to go around in circles appearing to search for something. Around the 8th day after dosing began gaining weight but still somewhat nervous and restless. The rat was sacrificed on the 10th day after dosing. The rats dosed at 450, 300 and 200 mg/kg initially lost weight, and then began to gain weight, developed a nasty disposition and were sacrificed on the 10th or 12th day after dosing. The rat dosed at 130 appeared fine throughout the study. The oral ALD was 1000 mg/kg of body weight.

Oral Subacute Toxicity Study:

The test substance, in distilled water was administered by gavage to 6 male albino rats from Charles River Breeding Lab at dose level of 200 mg/kg of body per day. Dosing was intended to be 5 days per week for 2 weeks for a total of ten doses. Animals were weighed and observed for clinical signs of toxicity.

After the 1st treatment, rats began to loose weight, had a sluggish appetite, and appeared nervous and slightly restless. Four of the six rats were found dead after the 3rd day of dosing. These rats showed signs of salivation, possible hemorrhage, and cyanosis. Gross pathology observations included slight peripheral congestion as well as brain and meningeal congestion. One of the remaining 2 rats had marked jitters and was found dead prior to receiving a 4th dose. The one remaining rat was jittery and had a nasty disposition. After the 4th dose, was uncomfortable, nervous and jittery, appeared puffed up, with ruffled fur, eyes closed, dyspnea, intermittent convulsive jerks, and marked salivation. This animal was found dead 48 hours after the 4th treatment.

CONTAINS NO CBI

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This information is submitted in accordance with current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act or, where it is not clear that reporting criteria have been met, it is submitted as a precautionary measure and because it is information in which EPA may have an interest.

Sincerely,

A handwritten signature in cursive script that reads "A. Michael Kaplan". The signature is written in black ink and is positioned above the typed name and title.

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

AMK: clp
(302) 366-5260