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

August 12, 2010

Via Federal Express

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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

8EHQ-0810-17699B



Dear 8(e) Coordinator:

8EHQ-09-17699
ε-Caprolactam
105-60-2

This letter is to inform you of the results of a non-DuPont acute oral LD50 study in rats, which we recently became aware of through REACH SIEF activity, with the above referenced test substance.

The LD50 for male and female rats via oral gavage was reported to be 1475 and 1876 mg/kg of body weight (bw), respectively. Significant mortality was observed from the dose level of 1600 mg/kg bw within 6 hours after dosing. Clinical signs were clonic convulsion, piloerection, salivation, dyspnoea, tremor, high stepping gait, nose discharge, hollow flanks. The signs were persistent until the end of the 7 days observation period. At necropsy, redness in the lungs and gastro-intestinal tract, and enlarged liver were described.

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

AMK/RV: clp
(302) 366-5260

DCN:8910000313



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