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Contractor			
Document Title	INITIAL SUBMISSION: LETTER FROM DUPONT SPECIALTY CHEM TO USEPA RE: ACUTE ORAL TOXICITY STUDY WITH 2,2'-AZOBIS (2-AMIDINOPROPANE) DIHYDROCHLORIDE, DATED 06/08/99		
Chemical Category	2,2'-AZOBIS(2-AMIDINOPROPANE) DIHYDROCHLORIDE		

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DuPont Specialty Chemicals

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DuPont Specialty Chemicals
Jackson Laboratory
Chambers Works
Deepwater, NJ 08023
USA

8EHQ-0699-14469

June 8, 1999

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Dear Sir/Madam:

2,2'-Azobis(2-amidinopropane)dihydrochloride, CAS# 2997-92-4

In an acute oral toxicity study conducted according to OECD Guidelines Protocol #423 (Acute Toxic Class Method test) groups of 3 fasted male and 3 fasted female Hsd:Sprague-Dawley (CD) rats were given a single dose of 200 mg/kg body weight of the test compound, formulated in distilled water, by gavage. Since no mortalities occurred at this dose, in accordance with test criteria, another group of 3 fasted females was dosed at 2000 mg/kg body weight.

At 200 mg/kg piloerection and hunched posture were observed in all the rats and waddling/unsteady gait and lethargy were seen in 1 of the males. However, all the rats recovered completely by the fourth day after dosing.

All the rats dosed at 2000 mg/kg died during the study. Two of the deaths occurred within approximately 30 minutes of dosing and the third within 70 minutes. The effects seen at 200 mg/kg were also seen at this dose. Additionally, walking on toes, salivation, body tremors, prostration and increased sensitivity to touch were seen in one of the high dosed animals before it died.

The test compound is used industrially as a polymerization initiator in closed equipment under controlled conditions. Based on its conditions of use and recommendations for handling to avoid contact, exposure potential is considered not to be significant.



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U.S. Environmental Protection Agency
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This information is being provided under the requirements of TSCA §8(e) as defined by guidance provided in EPA's June 1991 §8(e) Reporting Guide. You may call on 609/540-4576 if there are any questions.

Yours truly,



Kavsy D. Dastur
Manager, Product Toxicology & Chemical
Regulations

/mn
Certified Mail
Z 226 336 676

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