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Microfiche No.	OTS0559823		
New Doc ID	88000000016	Old Doc ID	8EHQ-1199-14576
Date Produced	10/26/99	Date Received	11/01/99
		TSCA Section	8E
Submitting Organization	E I DUPONT DE NEMOURS & CO		
Contractor			
Document Title	INITIAL SUBMISSION: LETTER FR E I DUPONT DE NEMOURS & CO TO USEPA REPORTING RESULTS IN ACUTE ORAL TOXICITY STUDY IN RATS WITH 2,2'-AZOBIS-(2-(2-IMIDAZOLIN-2 YL)PROP*, DATED 102699		
Chemical Category	2,2'AZOBIS-(2-(2-IMIDAZOLIN-2 YL)PROPANE DIHYDROCHLORIDE		

**INITIAL
SUB-
MISSION**

A 037



8EHQ-1199-14576

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

DuPont Chemical Solutions Enterprise



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October 26, 1999



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

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Dear Sir/Madam:

2,2'-Azobis-(2-(2-imidazolin-2 yl)propane dihydrochloride, CAS# 27776-21-2

In an acute oral toxicity study conducted according to OECD Guidelines Protocol #423 (Acute Toxic Class Method test) groups of 3 male and 3 female fasted Hsd:Sprague-Dawley (CD) rats were given a single gavage dose of 2000 mg/kg body weight of the test compound, formulated in distilled water containing 1% w/v aqueous methyl cellulose. Since mortalities occurred at this dose, indicating that the acute median lethal oral dose (LD50) is < 2000 mg/kg, in accordance with the test criteria an additional group of 6 fasted rats (3 males and 3 females) were similarly dosed with 200 mg/kg of the test compound.

Two males and one female dosed at 2000 mg/kg died within 1.5 hours of dosing. No mortalities occurred at 200 mg/kg. Macroscopic examination revealed congestive changes in the majority of organs and tissues.

Piloerection was observed in all the rats dosed at 200 mg/kg and 2000 mg/kg. Hunched posture, waddling/unsteady gait, lethargy, body tremors, prostration, closed eyelids, walking on toes and abnormal respiration were seen in one or more animals dosed with 2000 mg/kg. Additionally, hunched posture was seen in all males dosed at 200 mg/kg.

Recovery of surviving animals was complete in all instances by the eighth day following dosing and all the rats that survived treatment achieved satisfactory weight gains throughout the study.

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

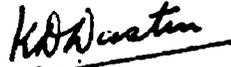
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Page 2
October 26, 1999

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 me on 609/540-4576 if there are any questions.

Yours truly,



Kavsy D. Dastur
Manager, Product Toxicology & Chemical
Regulations

/mn
Certified Mail
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