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Submitting Organization		
ROHM & HAAS CO		
Contractor		
Document Title		
INITIAL SUBMISSION: LETTER FROM ROHM & HAAS CO TO USEPA REPORTING PRELIMINARY RESULTS IN ACUTE ORAL TOXICITY STUDY OF SODIUM CYANBOROHYDRIDE IN RATS, DATED 10/17/2000		
Chemical Category		
SODIUM CYANBOROHYDRIDE		

A 03

100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA 19106-2799 USA
TELEPHONE (215) 592-3000 CENTRAL FAX (215) 592-3377

BEHQ-1000-14803

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October 17, 2000
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Attention: Section 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

Contain NO CBI

Dear Coordinator:

Rohm and Haas Company submits this notice in accordance with Section 8(e) of the Toxic Substances Control Act.

This letter transmits preliminary results of a acute toxicity test producing mortality to male and female rats for sodium cyanoborohydride (CAS No. 25895-60-7).

Sodium borohydride was dissolved in distilled water and administered by oral gavage to three groups of five male and female rats/group at dose levels of 5, 50, and 200 mg/kg of body weight as a single oral (gavage) dose.. The total mortality (number of deaths/number treated were:

Dose (mg/kg)	5	50	200
males	0/5	4/5	5/5
females	0/5	3/5	5/5
combined	0/10	7/10	10/10

All deaths occurred by day 1 post-dosing. Clinical signs consistent with cyanotic poisoning were noted prior to death of some animals at the 50 and 200 mg/kg. These signs included: convulsions, ataxia, fasciculations, tremors, and cyanotic. Additional clinical signs noted at 50 and 200 mg/kg included: reddened extremities, passive, labored breathing, ptosis, hunched posture, prostrate and scant feces. Surviving rats at 50 mg/kg recovered from these clinical signs by day 1 post-dosing. The only clinical sign noted in the 5 mg/kg group was a single male with soft feces at 2 and 4 hours after dosing.

Rohm and Haas Company does not consider the exact identity of this chemical to be Confidential Business Information (CBI)

If you have any questions concerning this submittal, my telephone number is (215) 592-2986.



BEHQ-00-14803

Sincerely,

George J. Powell
George J. Powell
TSCA Manager
EHS Corporate Center



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