

**A 01**

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<b>Submitting Organization</b>		
ROHM & HAAS CO		
<b>Contractor</b>		
<b>Document Title</b>		
INITIAL SUBMISSION: LETTER FROM ROHM & HAAS CO TO USEPA REPORTING PRELIMINARY RESULTS FROM ACUTE DERMAL TOXICITY TEST IN RABBITS WITH SODIUM CYANBOROHYDRIDE, DATED 12/11/2000		
<b>Chemical Category</b>		
CYANOBOROHYDRIDE		

A 03

100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA 19106-2339 USA  
TELEPHONE (215) 592-3000 CENTRAL FAX (215) 592-3377

8E1+Q-1200-14836

mr 42024

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December 11, 2000  
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Document Processing Center (TS-790)  
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 rabbits for sodium cyanoborohydride (CAS No. 25895-60-7).

Sodium cyanoborohydride was moistened with distilled water and applied to the skin of four groups of five male and female rabbits/group at dose levels of 5, 40, 200, or 1000 mg/kg of body weight as a single dermal dose.. The total mortality incidences (number of deaths/number treated) were:

Dose (mg/kg)	5	40	200	1000
males	0/5	4/5	5/5	5/5
females	0/5	5/5	5/5	5/5
combined	0/10	9/10	10/10	10/10

Most deaths occurred by day 0 by 4 hours post-dosing. Clinical signs consistent with cyanotic poisoning (convulsions and tremors) were noted prior to death of some animals at 40 mg/kg and above prior to death. In addition, reddened extremities, passive, labored breathing, gasping were noted in rabbits prior to death. One rabbit at 5 mg/kg group was observed with reddened extremities at 4 hours only. No other treatment related clinical signs of toxicity were noted at this level.

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.



8E1Q-00-14836

Sincerely,

George J. Rowell  
TSCA Manager  
EHS Corporate Center



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