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ROHM & HAAS CO		
Contractor		
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INITIAL SUBMISSION: LETTER FROM ROHM & HAAS CO TO USEPA, RESULTS OF SKIN IRRITATION TEST IN RABBITS W/MIXT OF TRIETHYLENE GLYCOL DIMETHYL ETHER, N-METHYL PYRROL*, *, DATED 3/21/01		
Chemical Category		
TRIETHYLENE GLYCOL DIMETHYL ETHER, N-METHYL PYRROLIDONE, *		

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2001 MAR 23 March 21, 2001



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 submission in accordance with Section 8(e) of the Toxic Substances Control Act.

This letter transmits results of a skin irritation test producing corrosive skin effects to rabbits for sodium borohydride (CAS No. 16940-66-2) mixed 15%/85% with dimethyl acetamide (CAS No. 127-19-5), 15%/85% with N-methyl pyrrolidone (CAS No. 872-50-4), and 7.5%/92.5% with triethylene glycol dimethyl ether (CAS No. 112-49-2)

Each test material (0.5 ml), as received, was applied onto shaved intact skin of rabbits (1 rabbit/ test substance) for a 4 hour exposure. A second set of rabbits received each test material as described above for a 1 hour and 3 minute exposure (1 exposure on each side of the same rabbit). An additional 2 rabbits per test substance were tested for a 3 minute exposure. The rabbits were wrapped with a semi-occluded dressing for the 1 and 4 hour exposures. After the appropriate exposure period, the semi-occluded dressing was removed and the application sites were wiped with paper towels soaked in mineral oil to remove the material. The application sites were blotted dry.

On the 1 and 4 hour application sites, corrosive skin effects (i.e., concave eschar) were evident in all rabbits for each test substance by 72 hours. No signs of corrosivity were noted for any of the 3 minute exposures.

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

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



BEHQ-01-14881

Sincerely,


George J. Powell
TSCA Manager
EHS Corporate Center

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