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(See also 8EHQ-94-12903)

8EHQ-1194-1295

Department of Environmental, Health & Safety Affairs (DEHSA)

Hoechst Celanese Corporation  
Route 202-206  
PO Box 2500  
Somerville, NJ 08876-1258  
908 231 2000  
Telex 833 449  
Fax 908 231 4554

October 31, 1994  
MRS-172-94

**ORIGINAL**

Attn: TSCA Section 8(e) Coordinator  
Document Processing Center (TS-790)  
U.S. Environmental Protection Agency  
401 M Street, S.W.  
Washington, D.C. 20460

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**Contains No CBI**

Dear Sir or Madam:

RE: 8EHQ-0294-12955, 8EHQ-94-12903

As promised in our earlier communication, Hoechst Celanese is now providing the final report of a 2-week inhalation range-finding study of acetic anhydride vapor (CAS No. 108-24-7) in pregnant and non-pregnant rats. Dose levels were 400, 100 and 25 ppm.

Severe lesions were detected throughout the respiratory tract of rats exposed to 100 and 400 ppm. Changes seen at 25 ppm were less severe. Histopathological examination of the nasal passages and lungs of male rats, revealed microscopic findings which included rhinitis, ulceration and/or hyperplastic changes to varying degrees with macrophages present in the alveoli. Microscopic examination of the enlarged lymph nodes revealed lymphoid proliferation.

This submission contains no confidential business information.

If any further information is required, do not hesitate to contact Dr. Michele R. Sullivan, Director, Product Stewardship at 908-231-4480.

Sincerely,

Susan P. Engelman  
Vice President, Environmental, Health & Safety Affairs

MRS/mcs  
Encl.

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