

August 6, 2002

DuPont SHE Excellence Center  
Attn: Edwin L. Mongan III  
1007 Market Street  
Wilmington, DE 19898

Dear Mr. Mongan:

The Office of Pollution and Toxics is transmitting EPA's comments on the robust summaries and test plan for 2,2-dichloro-1,1,1-trifluoroethane, posted on the ChemRTK HPV Challenge Program Web site on January 24, 2002. I commend E.I. du Pont de Nemours & Company for its commitment to the HPV Challenge Program.

EPA reviews test plans and robust summaries to determine whether the reported data and test plans will provide the data necessary to adequately characterize each SIDS endpoint. On its Challenge Web site, EPA has provided guidance for determining the adequacy of data and preparing test plans used to prioritize chemicals for further work.

EPA will post this letter and the enclosed Comments on the HPV Challenge Web site within the next few days.

If you have any questions about this response, please contact Richard Hefter, Chief of the HPV Chemicals Branch, at 202-564-7649. Submit questions about the HPV Challenge Program through the HPV Challenge Program Web site "Submit Technical Questions" button or through the TSCA Assistance Information Service (TSCA Hotline) at (202) 554-1404. The TSCA Hotline can also be reached by e-mail at [tsca-hotline@epa.gov](mailto:tsca-hotline@epa.gov).

I thank you for your submission and look forward to your continued participation in the HPV Challenge Program.

Sincerely,

Oscar Hernandez, Director  
Risk Assessment Division

Enclosure

cc: W. Sanders  
A. Abramson  
C. Auer  
M. E. Weber

**EPA COMMENTS ON CHEMICAL RTK HPV CHALLENGE SUBMISSION:  
2,2-DICHLORO-1,1,1-TRIFLUOROETHANE**

**SUMMARY OF EPA COMMENTS**

The sponsor, DuPont Chemical Company, submitted a test plan and robust summaries to EPA on December 19, 2001, for 2,2-dichloro-1,1,1-trifluoroethane (CAS# 306-83-2). EPA posted the submission on the ChemRTK website on January 24, 2002.

EPA has reviewed this submission and has reached the following conclusions:

1. Physicochemical and Environmental Fate Data. EPA agrees that available data address all SIDS-level endpoints.
2. Health Effects. EPA agrees that available data address all SIDS-level endpoints.
3. Ecotoxicity. EPA agrees that available data address all SIDS-level endpoints.

**EPA COMMENTS ON THE 2,2-DICHLORO-1,1,1-TRIFLUOROETHANE  
CHALLENGE SUBMISSION**

**Test Plan**

Chemistry (melting point, boiling point, vapor pressure, water solubility, and partition coefficient). Adequate existing data are available for these endpoints for the purpose of the Challenge Program.

Environmental Fate (photodegradation, stability in water, biodegradation, and fugacity). Adequate existing data are available for these endpoints for the purpose of the Challenge Program.

Health Effects (acute toxicity, repeat dose toxicity, genetic toxicity, and reproductive/developmental toxicity). Adequate existing data are available for these endpoints for the purpose of the Challenge Program.

Ecotoxicity (fish, invertebrate, and algal toxicity). Adequate existing data are available for these endpoints for the purpose of the Challenge Program.

**Followup Activity**

None.