

## CODING FORMS FOR SRC INDEXING

Microfiche No.	OTS0573989		
New Doc ID	89000000186	Old Doc ID	8EHQ-0400-14638
Date Produced	04/17/00	Date Received	04/18/00
		TSCA Section	8E
Submitting Organization	E I DUPONT DENEMOURS & CO		
Contractor	DUPONT HASKELL LAB		
Document Title	SUPPORT: LETTER FROM DUPONT HASKELL LAB TO USEPA REGARDING RESULTS OF BACTERIAL REVERSE MUTATION ASSAY CONDUCTED WITH 1-PROPENE, 1,1,3,3,3-PENTAFLUORO-, DATED 04/17/00		
Chemical Category	1-PROPENE, 1,1,3,3,3-PENTAFLUORO-		

# SUPPORT

A 03

8EHQ-0400-14638

DuPont Haskell Laboratory  
for Toxicology and Industrial Medicine  
Elkton Road, P.O. Box 50  
Newark, DE 19714-0050



RECEIVED  
OPPT CBIC

2000 APR 18 AM 11:23

DuPont Haskell Laboratory



8EHQ-00-14638

April 17, 2000

MR 34847

Via Federal Express

Document Processing Center (7407)  
Attention: 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
U. S. Environmental Protection Agency  
401 M Street SW  
Washington, DC 20460-0001

Contain NO CBI

RECEIVED  
OPPT NCIC  
2000 APR 20 PM 12:42

Dear 8(e) Coordinator:

1-Propene, 1,1,3,3,3-pentafluoro-  
8EHQ-00-14638

This letter is to inform you of the results of a bacterial reverse mutation assay conducted with the above referenced test substance.

The test substance was evaluated in the bacterial reverse mutation assay using *Salmonella typhimurium* strains TA97a, TA98, TA100, TA1535, and *Escherichia coli* strain WP2 *uvrA* (pKM101) in the presence and absence of an exogenous metabolic activation system (Aroclor <sup>®</sup>-induced rat liver S9).

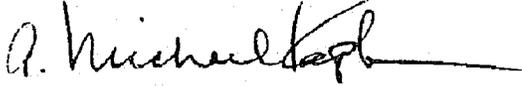
Tester strains were exposed to the test substance at actual mean concentrations of approximately 0.08, 0.14, 0.5, 1.1 and 4.8% in the presence and absence of S9. Preliminary testing at concentrations of 15% or greater were cytotoxic to bacteria. Test substance-related toxicity, as evidenced by the reduction of the microcolony background lawn and/or as a concentration-related reduction in the mean number of revertants per plate, was observed with *S. typhimurium* strain TA97a in the presence and absence of the metabolic activation system at 1.1 and 4.8%. Evidence of mutagenicity was detected with tester strain TA98 without activation at 0.5% or greater, and with TA1535 with activation at 4.8%. Both strains exhibited concentration-related increases of the mean revertants per plate compared to their concurrent negative controls. Under the conditions of this study, the test substance was concluded to be positive for the induction of mutagenicity in the bacterial reverse mutation test.



89000000186

Under these experimental conditions and when viewed in light of the positive results of an *in vivo* micronucleus assay previously reported to the agency (2/21/00), the findings described above appear to be reportable based upon EPA guidance regarding the reportability of such data under TSCA Section 8(e) criteria.

Sincerely,

A handwritten signature in black ink, appearing to read "A. Michael Kaplan", with a long horizontal flourish extending to the right.

A. Michael Kaplan, Ph.D.  
Director - Regulatory Affairs

AMK/RV:clp  
(302) 366-5260

**CERTIFICATE OF AUTHENTICITY**

THIS IS TO CERTIFY that the microimages appearing on this microfilm are accurate and complete reproductions of the records of U.S. Environmental Protection Agency documents as delivered in the regular course of business for microfilming.

Data produced 10 18 00  
(Month) (Day) (Year)

Mary Furbeck  
Camera Operator

Place Syracuse New York  
(City) (State)



**END**