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		TSCA Section	8E
Submitting Organization	PROCTER & GAMBLE CO		
Contractor			
Document Title	INITIAL SUBMISSION: LETTER FROM PROCTER & GAMBLE CO TO USEPA REPORTING RESULTS IN IN VIVO MICRONUCLEUS ASSAY IN MICE WITH 8-ACETOXYCARVOTANACETONE, DATED 122899		
Chemical Category	8-ACETOXYCARVOTANACETONE		

**INITIAL
SUB-
MISSION**

8EHQ-1299-14625

Procter & Gamble

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OPPT/CBIC

The Procter & Gamble Company
Ivorydale Technical Center
5299 Spring Grove Avenue, Cincinnati, Ohio 45217-1087

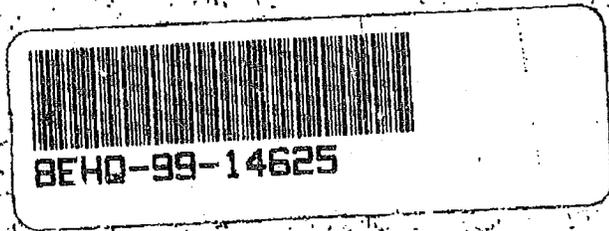
1999 DEC 29 AM 11:38

December 28, 1999

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

MR 30491

RE: TSCA Section 8(e) Submission



[8-acetoxycarvotanacetone (CAS # 89-25-8)]

ATTN: TSCA Section 8(e) Coordinator

This submission is made in accordance with TSCA Section 8(e) requirements and discharges any TSCA Section 8(e) responsibilities that exist for the Procter & Gamble Company regarding the information described herein. We do not believe the data described in this submission reasonably support the conclusion that the subject material presents a substantial risk of injury to human health or the environment.

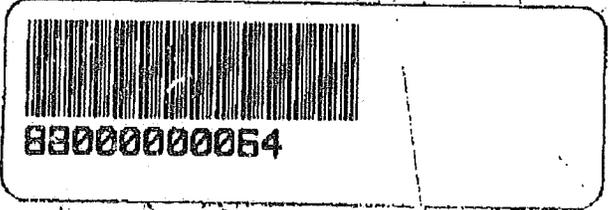
This submission provides results from an *in vivo* micronucleus assay in mice treated by oral gavage. Results show the test compound induced a statistically significant increase in the number of micronucleated polychromatic erythrocytes in both males and females in this assay. A brief summary of this study is attached.

The Procter & Gamble Company does not currently manufacture, import, distribute, or process the subject material and does not presently intend to use this substance for these purposes in the future. We have handled and will continue to handle this material with appropriate caution in keeping with our standard practice for handling all chemical substances.

Very truly yours,
THE PROCTER AND GAMBLE COMPANY

CD Hassall / CR Guay
C. D. Hassall, Ph. D.
Associate Director
Professional & Regulatory Services
Telephone: 513/634-2683

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Attachment

In vivo Micronucleus Assay

8-acetoxycarvotanacetone was evaluated in an *in vivo* micronucleus assay tested in mice. Treatments of 88, 175, and 350 mg/kg were administered by oral gavage. Propylene glycol was used as the test article vehicle at 20 ml/kg. Mortality was found in 1 of the 15 females in the 350 mg/kg group. Clinical Observations following dose administration included lethargy and ataxia in both the males and females of all dose groups, piloerection in both sexes at the 175 and 350 mg/kg dose groups, and prostration and irregular breathing in both sexes at the 350 mg/kg dose level. NO significant loss of body weight was observed in animals at any dose level.

A statistically significant increase in the number of micronucleated polychromatic erythrocytes was observed in both males and females at the 48 hour harvest time relative to the vehicle control group and the test material was concluded to be positive for its induction of micronuclei in bone marrow cells of male and female mice.

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CERTIFICATE OF AUTHENTICITY

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