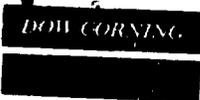


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Submitting Organization			
DOW CORNING CORP			
Contractor			
Document Title			
INITIAL SUBMISSION: LETTER FR DOW CORNING CORP TO USEPA REPORTING PRELIMINARY RESULTS IN MAMMALIAN CELL MUTATION ASSAY FOR DOW CORNING SYL-OFF 297 ANCHORAGE ADDITIVE, DATED 102099			
Chemical Category			
SILANETRIOL, ETHENYL-, TRIACETATE, REACTION PRODUCTS W/TRIM*			

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October 20, 1999

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TSCA Document Processing Center (7407)
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
Attn: TSCA Section 8(e) Coordinator
401 M Street S.W.
Washington, D.C. 20460

MR. 24038

Re: TSCA Section 8(e) Notification of Substantial Risk:
Mammalian Cell Mutation Assay for Dow Corning SYL-OFF® 297
Anchorage Additive

Dear Sir:

In accordance with the provisions of Section 8(e) of the Toxic Substances Control Act (TSCA), as interpreted in the Statement of Interpretation and Enforcement Policy (40 FR 11110, 16 March 1978), Dow Corning is submitting the following information concerning an ongoing study.

Chemical Substance:

154518-41-9 Silanetriol, ethenyl-, triacetate, reaction products with trimethoxy[(3-oxiranylmethoxy)propyl]silane

Manufacturer:

Dow Corning Corporation
2200 West Salzburg Road
Midland, Michigan 48686-0994

Contain NO CBI

Ongoing Study:

MAMMALIAN CELL MUTATION ASSAY FOR DOW CORNING SYL-OFF®
297 ANCHORAGE ADDITIVE

Dow Corning Study No. 9258

Summary:

Preliminary results from an ongoing mammalian cell mutation assay of SYL-OFF® 297 Anchorage Additive indicate that the test article induced a significant dose-related increase of the mutant frequency in L5178 Mouse Lymphoma cells



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with and without rat liver-derived S9 metabolic activation preparation. In the absence of S9 metabolic activation, the treated mutant frequency value reached 8-fold the spontaneous/background frequency. In the presence of S9 metabolic activation, the treated mutant frequency value reached 7.3-fold the spontaneous/background frequency. The mutant frequency value obtained at the high dose level in the absence of S9 metabolic activation was 2.2-fold the value observed with the positive control article, methyl methanesulfonate (MMS).

The findings in mammalian cells in culture are supported by the results from an earlier Bacterial Mutation Assay of Dow Corning SYL-OFF® 297 Anchorage Additive. In this assay, the test article induced a significant dose-related increase of the mutant frequency in Ames/Salmonella tester strains TA1535 and TA100 both in the presence and absence of rat liver-derived S9 metabolic activation preparation.

Actions:

These findings from the aforementioned study will be communicated to appropriate internal and external audiences. Dow Corning will notify EPA of any further relevant information that may be developed concerning this material and will provide the Agency with a copy of the final report from this study when it is available.

If you have any questions concerning these studies, please contact me at 517-496-4057 or at the address provided herein. If you require further general information regarding this submission, please contact Dr. Rhys G. Daniels, Senior Regulatory Compliance Specialist, Regulatory Compliance Group, HERA Americas, at 517-496-4222 or at the address provided herein.

Sincerely,

Patrick W. Langvardt for M. P. Hill

Michael P. Hill
Executive Director of
Environmental, Health and Safety
(517) 496-4057

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