

CASWELL FILE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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OPP OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: Amended Registration - New Use of Dow Corning 5700 and Label Review, New Use Proposed: to be Used in Liquid Laundry Detergent Formulations at Levels of 0.1 to 1.0% Active Ingredient - EPA Registration No. 34292-1 (42% ai; 50% methanol).

Caswell No. 892B

FROM: Henry Spencer, Ph.D. *WHS 7/8/86*
Review Section VII
Toxicology Branch
Hazard Evaluation Division (TS-769C)

TO: John Lee, PM 31
Disinfectants Branch
Registration Division (TS-767C)

THRU: Albin Kocialski, Ph.D., Supervisory Pharmacologist
Review Section VII
Toxicology Branch *ABK 7/9/86*
Hazard Evaluation Division (TS-769C) *WHS 7/9/86*

Background:

Dow Corning (DC) 5700, an antimicrobial, antifungal agent has previously been registered for uses to be applied only under commercial circumstances.

This request is for the additional use of Dow Corning 5700 as a home use of the product in liquid laundry detergent formulations at levels of from 0.1 to 1 percent of active ingredient.

Comment:

Toxicology Branch does not consider the additional requested use to be adequately supported with appropriate data to ensure safety for the proposed user.

Areas of concern that have not been evaluated include:

1. Eye irritation of the end product before and after addition of DC 5700.
2. Dermal irritation of the end product before and after addition of DC 5700.
3. Concentration of the methanol in the end product for possible labeling requirements.
4. The registrant should be made aware that each end-use formulation (liquid detergent) will require the above data to determine if more strict labeling is needed than would ordinarily occur on the product.

The Toxicology Branch recognizes that the evaluation of the effects of the effluent on sewerage systems (both home and public) is outside its purview and defers this concern to Exposure Assessment Branch.

The other areas of labeling are adequate for industrial use.



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