

US EPA ARCHIVE DOCUMENT

CASWELL FILE 5



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

107401

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

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

JUL 9 1986

MEMORANDUM

SUBJECT: Amended Registration - New Use and Amended Label
Review of Dow Corning (DC) 5772 (72% ai, 12% methanol)
EPA Registration No. 34292-2 - New Use Proposed:
To be Used in Liquid Laundry Detergent Formulations
at Levels of 0.1 to 1.0% Active Ingredient

Caswell No. 892B

FROM: Henry Spencer, Ph.D., Pharmacologist
Review Section VII
Toxicology Branch
Hazard Evaluation Division (TS-769C)

Hue
7/9/86

TO: John Lee, PM 31
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THRU: Albin Kocialski, Ph.D., Supervisory Pharmacologist
Review Section VII
Toxicology Branch
Hazard Evaluation Division (TS-769C)

ABK 7/8/86

Hue
7/9/86Background:

Dow Corning (DC) 5772, 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 5772 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 5772.
2. Dermal irritation of the end product before and after addition of DC 5772.
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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