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

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CASWELL FILE

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OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM:

SUBJECT: Addendum to the Review of B. Dementi on the 90-Day
Subchronic Study with Didecyldimethylammonium Chloride
in the Rat. EPA Identification No. 069149.

Project No.: 0-0376
Tox. Chem. No.: 331A
Record No.: 256551

FROM: Henry Spencer, Ph.D. *See 3/10/92*
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Background: The 90 day study with the antimicrobial compound,
didecyldimethylammonium chloride, was reviewed by B.
Dementi, TBl, and was concluded to be core
supplementary in classification based on possible
effects on the lymph nodes in female test animals.

Conclusions: After further consultation with both regional
consulting laboratory pathologists and the EPA
contract consulting pathologist, this reviewer
reports that this finding is usually not limited
to females of this specie of test animal. In addition
these lymph node aggregates are seen very often in
control animals.

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As a result of these consultations, Toxicology Branch does not consider the incidence of these effects to be treatment related. Therefore, further evaluation of the test animals by the registrant is not required.

The Toxicology Branch therefore can establish that the systemic toxicity NOEL is greater than 12mg/kg/day. The only apparent toxicity is that of dermal irritation with an LOEL of 2 mg/kg/day (LDT).

This study fulfills the guideline requirement of 82-3.