

US EPA ARCHIVE DOCUMENT

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE  
(2000-069)

069104

STUDY TYPE: ACUTE DERMAL TOXICITY - RABBIT  
[OPPTS 870.1200 [§81-2]; OECD 402]  
MRID 45680901

Prepared for  
Antimicrobials Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
1921 Jefferson Davis Highway  
Arlington, VA 22202

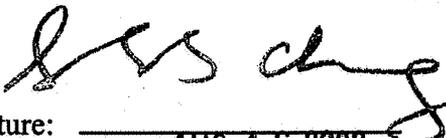
Prepared by  
Toxicology and Hazard Assessment Group  
Life Sciences Division  
Oak Ridge National Laboratory  
Oak Ridge, TN 37831  
Action No. K392

Primary Reviewer:  
Susan Chang, M.S.

Secondary Reviewers:  
H. Tim Borges, M.T.(A.S.C.P.), Ph.D., D.A.B.T.

Robert H. Ross, M.S., Group Leader

Quality Assurance:  
Lee Ann Wilson, M.A.

Signature:   
Date: AUG 16 2002

Signature: \_\_\_\_\_  
Date: AUG 16 2002

Signature: Robert H. Ross  
Date: AUG 16 2002

Signature: L. A. Wilson  
Date: AUG 16 2002

Disclaimer

This review may have been altered subsequent to the contractor's signatures above.

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**Product Manager:** Velma Noble  
**MRID No.:** 45680901  
**Report No.:** 00404052  
**Testing Laboratory:** Covance Laboratories Inc.  
**Author:** Steven R. Sorenson

**Reviewer:** Susan Chang  
**Study Completion Date:** March 7, 2002

**GLP Compliance Statement (40 CFR §160.12):** Included

**Test Material:** 2000-069, clear colorless liquid

**Species:** New Zealand White rabbits (5m and 5f)  
**Weight:** 2444 to 2638 g **Age:** Adult  
**Source:** Covance Research Products Inc., Kalamazoo, MI

**Summary:**

- LD<sub>50</sub> (mg/kg):** Males > 5000 mg/kg  
Females > 5000 mg/kg  
Combined > 5000 mg/kg
- The estimated LD<sub>50</sub> is > 5000 mg/kg.**
- Tox. Category:** IV **Classification:** Acceptable

**Procedure (Deviation From §81-2, 870.1200):** No deviations were noted.

**Results:**

Reported Mortality			
Dosage (mg/kg)	(Number Deaths/Number Tested)		
	Males	Females	Combined
5000	0/5	0/5	0/10

**Observations:** All rabbits had normal appearance throughout the study. Dermal irritation characterized by slight to moderate erythema with or without very slight edema was noted on all rabbits with clearance by day 14. In addition, desquamation and/or fissuring were noted on all rabbits on day 7 with clearance by day 14, but persisting on one male and one female through day 14.

**Gross Necropsy Findings:** No visible lesions were noted on any rabbit.