

Sponsor:

Lear Chemical Research Corporation
Mississauga, Ontario

FINAL REPORT

Study Title:

Acute Dermal Toxicity Study
of ACF-50 Lubricant in Rabbits
(EPA/OECD Guidelines)

Author:

Steven M. Glaza

Study Completion Date:

December 4, 1990

Performing Laboratory:

Hazleton Wisconsin, Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704

Laboratory Project Identification:

HWI 00904814

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SUMMARY OF RESULTS

Test Animal: Albino Rabbits - Hra:(NZW)SPF
 Source: Hazleton Research Products, Inc., Kalamazoo MI
 Date Animals Received: 09/25/90

Temperature and Humidity of Animal Room: 66 to 78°F;
 30 to 53% Relative Humidity

Start Date (In-life): 10/11/90 End Date (In-life): 10/25/90

Estimated Dermal LD₅₀ : Male - Greater than 2.0 g/kg of Body Weight
 Female - Greater than 2.0 g/kg of Body Weight

Sex	Dose Level (g/kg)	Average Body Weight (g)			Mortality (Number Dead/Number Dosed)
		Initial	Day 7	Terminal	
Male	2.0	2,268	2,416	2,487	0/5
Female	2.0	2,116	2,273	2,363	0/5

Clinical Signs

No dermal irritation or abnormal clinical signs were observed during the study.

INDIVIDUAL PATHOLOGY COMMENTS

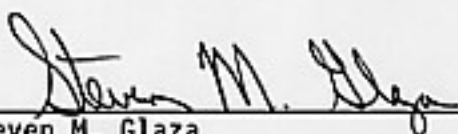
Dose Level: 2.0 g/kg of Body Weight

<u>Animal Number</u>	<u>Sex</u>	<u>Test Day</u>		<u>Necropsy Observation</u>
		<u>Died</u>	<u>Sacrificed</u>	
F34345	M	-	14	No visible lesions
F34346	M	-	14	No visible lesions
F34353	M	-	14	No visible lesions
F34351	M	-	14	No visible lesions
F34352	M	-	14	No visible lesions
F34337	F	-	14	No visible lesions
F34354	F	-	14	No visible lesions
F34355	F	-	14	No visible lesions
F34356	F	-	14	No visible lesions
F34360	F	-	14	No visible lesions

DISCUSSION

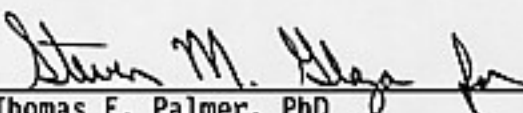
The acute dermal toxicity of ACF-50 Lubricant was evaluated in male and female rabbits when administered at a level of 2.0 g/kg of body weight. The dermal LD₅₀ was determined to be greater than 2.0 g/kg. All animals appeared normal and exhibited body weight gain throughout the study. There was no dermal irritation or any visible lesions observed at necropsy.

SIGNATURES



Steven M. Glaza
Study Director
Acute Toxicology

12-4-90
Date



Thomas E. Palmer, PhD
Anatomical Pathologist
Pathology

12-4-90
Date

REFERENCES

1. Hitch, R. K., "Acute Dermal Toxicity Study," *Pesticide Assessment Guidelines, Subdivision F, Hazard Evaluation: Human and Domestic Animals*, U.S. Environmental Protection Agency Office of Pesticide and Toxic Substances, Series 81-2, pp. 39-44 (November 1982).
2. "Acute Dermal Toxicity," *Organisation for Economic Cooperation and Development's Guidelines for Testing of Chemicals*, Section 402 (adopted May 12, 1981).
3. NIH Publication No. 86-23 (revised 1985).
4. Draize, J. H., "Acute Dermal Toxicity (Single Exposure)," In: *Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics - Dermal Toxicity*, Association of Food and Drug Officials of the U.S., pp. 54-56 (1975).