



AR226-0421

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Submitted to:

3M Company
3M Center
St. Paul, Minnesota
55101

Material:

3M Company - T-1395

Sample Received:

December 6, 1975

Date of Report:

March 4, 1976

Test:

Primary Skin Irritation Study - Rabbits

Object of Test:

To determine the degree of irritation, if any, which the subject material may produce when applied to the intact and abraded skin of albino rabbits. The test was performed in order to classify this material under the Federal Hazardous Substances Labeling Act.

Method of Test:

The method employed in the testing, evaluation and the scoring of the results was similar to that described in Section 1500.41 - Hazardous Substances and Articles, Administration and Enforcement Regulations, Federal Register, Vol. 38, No. 187, P. 27019, 27 September 1973.

In carrying out the study the experimental sample was used as supplied. A group of six albino rabbits were clipped over a wide area. One side of the animals' backs was abraded at one site with a lancet sufficiently deep to penetrate the stratum corneum but not enter the derma to produce bleeding. The skin of the other side was allowed to remain intact. A 0.5 gm portion of material was applied to an abraded and an intact skin site on the same rabbit. Gauze patches were then placed over the treated areas and an impervious material was wrapped snugly around the trunks of the animals to hold the patches in place.

The wrapping was removed at the end of the twenty-four hour period and the treated areas were examined. Readings were also made after seventy-two hours. The Draize method of scoring was employed. Both sites (intact and abraded) were examined dry as well as after treatment with water.

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3M Company - T-1395, Primary Skin Irritation Study.

Results:

See Table 1.

Conclusion:

Based on the accompanying table, the subject material would not be classified as a primary irritant to albino rabbits within the definition of the Act-Reference: Section 1500.3 (c) (4) and requires no cautionary labeling with respect to that section.

A handwritten signature in black ink, reading "Karl L. Gabriel". The signature is written in a cursive, flowing style.

Karl L. Gabriel, V.M.D., Ph.D.
Director

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TABLE 1

Primary Skin Irritation

WET

Material: 3M Company - T-1395, as supplied.

<u>Erythema and Eschar Formation</u>	<u>Reading (Hours)</u>	<u>Rabbit Number</u>						<u>Average</u>
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
Intact Skin	24	0	0	0	0	0	0	0.00
Intact Skin	72	0	0	0	0	0	0	0.00
Abraded Skin	24	0	0	0	0	0	0	0.00
Abraded Skin	72	0	0	0	0	0	0	<u>0.00</u>
Subtotal								0.00
<u>Edema Formation</u>								
Intact Skin	24	0	0	0	0	0	0	0.00
Intact Skin	72	0	0	0	0	0	0	0.00
Abraded Skin	24	0	0	0	0	0	0	0.00
Abraded Skin	72	0	0	0	0	0	0	<u>0.00</u>
Subtotal								0.00
Total								0.00

Primary Irritation Score: 0

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TABLE 1
Primary Skin Irritation

DRY

Material: 3M Company - T-1395, as supplied.

<u>Erythema and Eschar Formation</u>	<u>Reading (Hours)</u>	<u>Rabbit Number</u>						<u>Average</u>
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
Intact Skin	24	0	0	0	0	0	0	0.00
Intact Skin	72	0	0	0	0	0	0	0.00
Abraded Skin	24	0	0	0	0	0	0	0.00
Abraded Skin	72	0	0	0	0	0	0	<u>0.00</u>
		Subtotal						0.00
<u>Edema Formation</u>								
Intact Skin	24	0	0	0	0	0	0	0.00
Intact Skin	72	0	0	0	0	0	0	0.00
Abraded Skin	24	0	0	0	0	0	0	0.00
Abraded Skin	72	0	0	0	0	0	0	<u>0.00</u>
		Subtotal						0.00
		Total						0.00

Primary Irritation Score: 0

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