



AR226-0422

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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 Eye Irritation Study - Rabbits

Object of Test: To determine the degree of irritation, if any, which the subject material may produce when instilled into the eyes of albino rabbits. This test was performed in order to classify this material under the Federal Hazardous Substances Labeling Act.

Method of Test: The methods employed in the testing, evaluation and in the grading of the test material are those described in Section 1500.42 - Hazardous Substances and Articles, Administration and Enforcement Regulations, Federal Register, Vol. 38, No. 187, P. 27019, 27 September 1973.

The sample was used as supplied.

Six healthy young adult albino rabbits were used in this study. 0.1 gm of the experimental material was instilled into the right eyes of the test animals while the other eyes remained untreated to serve as controls. The test material was washed from the eyes in 3 animals after 5 sec. with 200 cc of water and after 30 sec. in 3 animals with 200 cc of water. The treated eyes were examined at 1, 24, 48 & 72 hrs. & 5 & 7 days following instillation of the test material into the eyes. Interpretation of the results was made in accordance with the grading system outlined in the "Illustrated Guide for Grading Eye Irritation By Hazardous Substances".

Results: The results of the tests are shown in the accompanying Table which covers each of the animals treated with the test material.

C00090

Conclusion:

Based on the accompanying table, the subject material is not an ocular irritant within the definition of the Act-Reference: Section 1500.42 (b) (1) (2) P. 27019 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 style with a large, stylized "K" and "G".

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

TABLE 1

Grades for Ocular Lesions

Material: 3M Company - T-1395, as supplied and washed after 5 seconds with 200 cc of water.

Rabbit Number	Hours After Application											
	Co	<u>1</u>	C	Co	<u>24</u>	C	Co	<u>48</u>	C	Co	<u>72</u>	C
1	0	0	4	0	0	4	0	0	4	0	0	4
2	0	0	4	0	0	4	0	0	4	0	0	4
3	0	0	2	0	0	4	0	0	2	0	0	2
							<u>5 Days</u>			<u>7 Days</u>		
							Co	<u>1</u>	C	Co	<u>1</u>	C
							0	0	4	0	0	4
							0	0	4	0	0	4
							0	0	2	0	0	2

Co = Cornea

I = Iris

C = Conjunctivae

000092

TABLE 1

Grades for Ocular Lesions

Material: 3M Company - T-1395, as supplied and washed after 30 seconds with 200 cc of water.

Rabbit Number	Hours After Application											
	Co	<u>1</u>	C	Co	<u>24</u> <u>1</u>	C	Co	<u>48</u> <u>1</u>	C	Co	<u>72</u> <u>1</u>	C
1	0	0	6	0	0	6	0	0	6	0	0	6
2	0	0	4	0	0	4	0	0	4	0	0	6
3	0	0	4	0	0	4	0	0	4	0	0	4
							<u>5 Days</u>			<u>7 Days</u>		
							Co	<u>1</u>	C	Co	<u>1</u>	C
							0	0	6	0	0	6
							0	0	6	0	0	6
							0	0	4	0	0	4

Co = Cornea
I = Iris
C = Conjunctivae