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Submitted to:

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

Material:

3M Company - T-1585

Sample Received:

August 25, 1976

Date of Report:

September 16, 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 not washed from the eyes.

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.

3M Company - T-1585, Primary Eye Irritation Study.

Conclusion:

Based on the accompanying table, the subject material is a primary ocular irritant within the definition of the Act-Reference: Section 1500.42 (b) (1) (2) P. 27019 and requires 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-1585, as supplied.

	Rabbit No.	Cornea		Iris	Conjunctivae		
		Opacity	Area		Redness	Chemosis	Discharge
1 hour	1	4	4	2	2	4	3
	2	4	4	2	2	4	3
	3	4	4	2	2	4	3
	4	4	4	2	2	4	3
	5	4	4	2	2	4	3
	6	4	4	2	2	4	3
24 hours	1	4	4	2	2	4	3
	2	4	4	2	2	4	3
	3	4	4	2	2	4	3
	4	4	4	2	2	4	3
	5	4	4	2	2	4	3
	6	4	4	2	2	4	3
48 hours	1	4	4	2	2	4	3
	2	4	4	2	2	4	3
	3	4	4	2	2	4	3
	4	4	4	2	2	4	3
	5	4	4	2	2	4	3
	6	4	4	2	2	4	3
72 hours	1	4	4	2	2	4	3
	2	4	4	2	2	4	3
	3	4	4	2	2	4	3
	4	4	4	2	2	4	3
	5	4	4	2	2	4	3
	6	4	4	2	2	4	3
5 days	1	4	4	2	2	4	3
	2	4	4	2	2	4	3
	3	4	4	2	2	4	3
	4	4	4	2	2	4	3
	5	4	4	2	2	4	3
	6	4	4	2	2	4	3
7 days	1	4	4	2	2	4	3
	2	4	4	2	2	4	3
	3	4	4	2	2	4	3
	4	4	4	2	2	4	3
	5	4	4	2	2	4	3
	6	4	4	2	2	4	3