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Project Number - 77-1127A

FC-128

AR226-0217

Submitted to:

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

Material:

3M Company - T-2001CoC

Sample Received:

11/21/77 Study Initiated: 11/23/77 Study Completed: 12/29/77

Date of Report:

1/6/78

Test:

Acute Oral Toxicity - Rats

Object of Test:

To study the acute oral toxicity in rats of the subject material.

Procedure:

Four groups of 5 male & 5 female albino rats of the Sherman-Wistar Strain weighing between 200 and 300 gm were employed in this study. The rats were deprived of food but not water for 24 hours prior to dosing. Each animal was weighed and dosed by direct administration of the experimental material into the stomach by means of a syringe and dosing needle.

The sample was dosed as supplied.

The following dosage levels were administered:

0.50 ml/kg.
2.50 ml/kg.
3.75 ml/kg.
5.00 ml/kg.

Following administration the animals were allowed food and water ad libitum for the 14 day observation period during which time the rats were observed for signs of toxicity and mortalities.

Results:

See Table 1.

Conclusion:

The subject material when studied in male and female albino rats has an acute oral LD50 between 0.5 ml/kg. and 2.5 ml/kg.

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Director

TABLE 1
Acute Oral Toxicity

Material: 3M Company - T-2001CoC, as supplied.

Dosage Level ml/kg	Number of Animals Dosed	Mortalities Days														Total Dead 14 Days	Total Survived 14 Days	Initial Weight gm	Final Weight gm
		1	2	3	4	5	6	7	8	9	10	11	12	13	14				
0.50	5 males	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	215	245
0.50	5 females	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	230	255
2.50	5 males	3	1	0	1	-	-	-	-	-	-	-	-	-	-	5	0	225	-
2.50	5 females	2	3	-	-	-	-	-	-	-	-	-	-	-	-	5	0	250	-
3.75	5 males	3	1	0	0	0	1	-	-	-	-	-	-	-	-	5	0	210	-
3.75	5 females	4	1	-	-	-	-	-	-	-	-	-	-	-	-	5	0	235	-
5.00	5 males	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0	220	-
5.00	5 females	4	1	-	-	-	-	-	-	-	-	-	-	-	-	5	0	240	-

The LD₅₀ is between 0.5 ml/kg. and 2.5 ml/kg.

At 0.50 ml/kg. the animals were slightly depressed for 4-6 hours after dosing. At the three higher dosage levels the animals were comatose within 30 minutes to 4 hours and died as noted.

Gross pathologic examination revealed nothing remarkable.

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