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E. I. du Pont de Nemours and Company
 Haskell Laboratory for Toxicology and Industrial Medicine
 Elkton Road, Newark, Delaware 19711

HASKELL LABORATORY REPORT NO. 635-79 [REDACTED]

Material Tested	Haskell No.	Other Codes	Study Initiated/ Completed	Material Submitted by
Octanoic Acid, Pentadecafluoro-, Ammonium Salt*	12,037	[REDACTED]	8/13-9/11/79	[REDACTED] Plastic Products & Resins Department, Washington Works

EYE IRRITATION TEST IN RABBITS

Procedure: One-tenth milliliter (38.3 mg) of solid test material was placed into the right conjunctival sac of each of 2 albino rabbits. After 20 seconds, 1 treated eye was washed with tap water for 1 minute. The treated eye of the other rabbit was not washed. Observations of the cornea, iris and conjunctiva were made with a ha 1-slit lamp at 1 and 4 hours, and at 1, 2, 3, 7, 14, 21 and 28 days; Fluor-i-strip® stain and a biomicroscope were used at examinations after the day of treatment.

Results:

Dose	Treatment of Eyes	Ocular Effects		
		Cornea	Iris	Conjunctiva
0.1 ml (38.3 mg) solid test material	Not Washed	Generalized moderate opacity 1 hour-3 days. At 2 days, a small area in the lower cornea had severe opacity. The opacity gradually receded to generalized mild at 7 days except for the area in the lower cornea which had moderate opacity with vascularization. This area of opacity persisted through 14 days but gradually receded in size and degree to localized mild opacity with vascularization 21-28 days.	Slight injection at 4 hours. Moderate congestion at 1 day. Slight injection at 2 days. Moderate congestion at 14 days.	<u>Redness:</u> Slight 1-4 hours. Mild at 1 day. Moderate at 2 days. Mild 3-14 days. <u>Swelling:</u> Mild at 1 hour. Moderate at 4 hours. Mild 1-2 days. Slight at 3 and 14 days. <u>Discharge:</u> Copious 1 hour and 1 day. Moderate 4 hours, 2 and 3 days (Hemastix®-positive 1 hour-3 days.) Mild at 14 days.

Results: (continue)

Dose	Treatment of Eyes	Ocular Effects		
		Cornea	Iris	Conjunctiva
0.1 ml (38.3 mg) solid test material	Washed	Small area of mild opacity at 1 hour increasing to moderate opacity at 1 day and receding to a small area of slight opacity at 3 days.	None.	<u>Redness:</u> Mild 1 hour-7 days. <u>Swelling:</u> Mild 1 hour-1 day. Slight at 2 days. <u>Discharge:</u> Copious 1-4 hours. Moderate at 1 day (Hemastix®-positive 1 hour-1 day.

Summary: Octanoic Acid, Pentadecafluoro-, Ammonium Salt [REDACTED] caused generalized moderate corneal opacity with a small area of severe opacity, intermittent moderate iritis and moderate conjunctivitis when tested in a rabbit eye. The ocular effects gradually receded; however, the small area of corneal opacity persisted and at 21-28 days was mild with vascularization (sign of healing). An eye dosed with the test material and promptly washed had a small area of slight to moderate corneal opacity and moderate to slight conjunctivitis with no iritic effect. The eye was normal within 7 days except for mild conjunctival redness, which was normal within 14 days.

[REDACTED] is a mild to moderate eye irritant, capable of causing persistent mild corneal opacity. Eye contact with this compound should be avoided. In the event of any eye contact, flush copiously with water and obtain medical attention.

* Other Names: [REDACTED]

Composition: [REDACTED]

Contaminants: [REDACTED]

Report by: Doris F. Edwards

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DFE:scg

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Company Sanitized. Does not contain TSCA CBI