

ORIGINAL

TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

DOCUMENT DESCRIPTION	DOCUMENT CONTROL NUMBER	DATE RECEIVED
8EHQ-92-12414	89110000126	2/24/11

COMMENTS: COMMUN S (DECLASS)

DOES NOT CONTAIN CBI



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MR#333420

February 18, 2011

VIA CERTIFIED MAIL

Attn: TSCA Declassification Coordinator
U.S. Environmental Protection Agency
Office of Pollution Prevention and Toxics
Document Control Office (7407M)
Washington, D.C. 20460

Re: Declassification Activity-TSCA §8(e) Submission
8EHQ Number: 8EHQ-1092-12414s (Bar Code 88920010621)
Supplemental Submission - Revised Public Copy of Submission

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Dear TSCA Declassification Coordinator:

This submission is submitted in connection with the EPA 2010 CBI Declassification Challenge program.

Please find enclosed a revised public copy of the above-identified submission. Any information still claimed as confidential business information (CBI) in the attached revised public copy has been redacted and replaced by brackets. The originally assigned 8EHQ number has been added by the submitter to the first page of the enclosed revised public copy of the submission. The test substance description, as identified in an Index provided to submitter by EPA, is provided on the Attachment to this letter.

Very truly yours,

Andrea V. Malinowski

Attachment – Test Substance Description (1 page)
Enclosure – revised public copy of report HLR 362-82



CONTAINS NO CBI

Attachment

8EHQ Number: 8EHQ-1092-12414s (Bar Code 88920010621)

Test Substance identified in EPA Index – Mixture of:

<u>CAS Number</u>	<u>Chemical Name</u>
12-92-5	STEARYL ALCOHOL/10 ETHYLENE OXIDE 75/25 EO/PO COPOLYMER NIOBIUM PENTACHLORIDE
1310-58-3	POLYPHENYL PHOSPHITE ANTIOXIDANT POTASSIUM HYDROXIDE*NIOBIUM PENTOXIDE
30399-84-9	TRIMETHANOLPROPANE, TRI(C8,C10) ESTER ETHYL CAPPED POLYETHYLENE GLYCOL 400, PELARGONATE*NIOBIUM METAL
75-21-8	Left blank on EPA Index

FOR DU PONT USE ONLY

Copies to: M. D. Harder (4)
C. J. Hollandsworth (1)

E. I. du Pont de Nemours and Co., Inc.
Haskell Laboratory for Toxicology and Industrial Medicine
Elkton Road, P. O. Box 50,
Newark, Delaware 19711

HASKELL LABORATORY REPORT NO. 362-82 HR NO. 4317-001

<u>Material Tested</u>	<u>Haskell No.</u>	<u>Other Codes</u>
Finish K-4907 (see page 2)	14,298	K-4907 OII Base

Study Initiated/Completed
2/12/82-3/3/82

Material Submitted by
C. J. Hollandsworth
Textile Fibers Department
Martinsville

INHALATION APPROXIMATE LETHAL CONCENTRATION (ALC)

Summary: Groups of 6 male Crl:CD[®] rats were exposed nose-only for single 4-hour periods to aerosol atmospheres containing Finish K-4907. AN ALC was found to be 2.6 mg/L which is considered moderately toxic.

Procedure: Male albino Crl:CD[®] rats were housed in pairs in 8" x 8" x 14" stainless steel wire mesh cages. Purina Certified Rodent Chow[®] #5002 and water were available ad libitum. Rats were weighed and observed for general suitability for at least 1 week prior to test.

Groups of 6 rats, 7-8 weeks old and weighing 233-258 grams, were placed in perforated stainless steel restrainers and exposed nose-only for single 4-hour periods to aerosol atmospheres containing Finish K-4907. Several exposures were conducted at different concentrations until an ALC was determined. Surviving rats were weighed and observed daily for 14 days post exposure (weekends excluded except when deemed necessary).

Generation: The liquid test material was heated (25-30°C) in a reservoir and metered with an FMI pump through a Spraying Systems[®] nebulizer. Preheated (50-65°C) dilution air, added at the nebulizer, aerosolized the test material and swept it into the test chamber.

Analytical: Chamber atmospheric concentrations were determined by gravimetric analysis. Calibrated volumes of chamber air were drawn through preweighed Calman glass fiber filters at 2.0 L/min. Samples were taken at 30-minute intervals. Concentrations were determined from filter weight gain (mg) per liter of chamber air sampled. Filters were weighed on a Cahn 26 Automatic Electrobalance[®].

Results: During exposure, a fine mist was visible to the unaided eye.
Exposure data follow:

<u>Mean</u>	<u>Concentration (mg/L)</u>		<u>Fractional Mortality</u> <u>#Deaths/# Exposed</u>
	<u>S.D.</u>	<u>Range</u>	
0.57	0.11	0.44-0.76	0/6
2.6	0.80	1.9-4.1	1/6 (1 day post exposure)
7.3	0.85	5.6-8.4	6/6 (1 during exposure, 2 @ 1 day, 3 @ 2 days).

Clinical Observations:

During exposure - Observations could not be made because rats were exposed nose-only.

Post exposure - In a dose-dependent manner, all rats exhibited moderate to severe weight loss 24-48 hours post exposure, after which surviving rats resumed a normal rate of weight gain. Lung noise was observed at 0.57 mg/L for 2 days, at 2.6 mg/L for 14 days and at 7.3 mg/L until death. Wet perineum was observed for 2-3 days in rats at all levels. Compound-stained fur and red nasal discharge were observed for 2 to 3 days at 2.6 and 7.3 mg/L. At 7.3 mg/L, salivation, gasping, hyperactivity, and tremors were observed until death.

An Approximate Lethal Concentration for Finish K-4907 is 2.6 mg/L. Based on Haskell Laboratory Acute Toxicity Classifications, this material is moderately toxic via inhalation exposure.

* **Composition:** 43.0% Lexolube® 3N-310 [Trimethanolpropane, tri(C₈,C₁₀)-ester]
29.0% ICI TL-1384 [Ethyl-capped polyethylene glycol 400, palargonate]
10.0% Emersol® 875 [Isostearic acid]
15.0% Brij® 76 [Stearyl alcohol/10 ethylene oxide]
1.0% Ucon 75-H-90,000 [Random copolymer of 75% ethylene oxide/25% propylene oxide]
0.6% Naugard® P-HR-1 [Polyphenyl phosphite antioxidant]
1.4% Potassium hydroxide (45%)

Purity: 95%

Contaminants: Water

Synonym: None

CAS Registry No.: None

Work and Report by:

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Stephen D. Nash
Technician

Supervised by:

Rayanne Ferens
Rayanne Ferens
Toxicologist

Study Director:

Bruce A. Burgess
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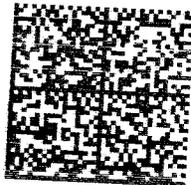
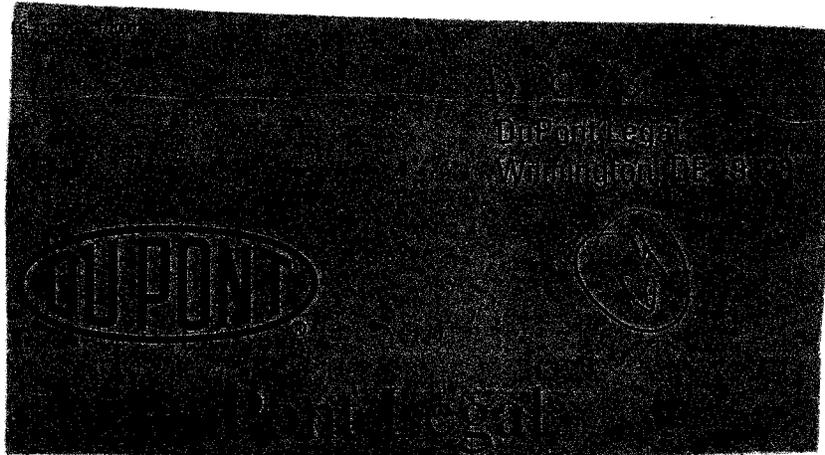
Gerald L. Kennedy, Jr.
Gerald L. Kennedy, Jr.
Section Supervisor
Acute Investigations

SDN:tac:WP:3.9

Date Issued: June 22, 1982

N.B. E-26857, pp. 110-131

Report No. 362-82



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Hasler

\$ 10.65⁰⁰

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Attn: TSCA Declassification Coordinator

U.S. Environmental Protection Agency
Office of Pollution Prevention and Toxics
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