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TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

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

Public Copy
No CBI

Re: Declassification Activity-TSCA §8(e) Submission
8EHQ Bar Code Number: 8EHQ-06-16602
Other EPA Identifier(s): 88070000020/S; 8EHQ-1006-16602A
DuPont HLR 306-94 (1-003)
Supplemental Submission - Revised Public Copy of Report

Dear TSCA Declassification Coordinator:

This submission is made in connection with the EPA 2010 CBI Declassification Challenge initiative.

Please find enclosed a revised public copy of the above-identified report, which was previously submitted to EPA and assigned the 8EHQ number referenced above. Any information still claimed as confidential business information (CBI) in the attached report has been redacted and replaced by brackets. The originally assigned 8EHQ number (as bar coded on the submission) has been added by the submitter to the first page of the enclosed revised public copy of the report. Other EPA identifying numbers stamped on the submission or provided on the EPA website are referenced above.

The test substance, identified only as TLF-8521 in the report, is believed to be an aqueous silane formulation.

Very truly yours,

Andrea V. Malinowski

Enclosure
- DuPont HLR 306-94 – 1 page

CONTAINS NO CBI

1-003

DuPont HLR 306-94

Inhalation Toxicity Screen with H-20468

MR 9482

Test Substance: TLF-8521

An inhalation toxicity screen with H-20468 was conducted with 6 male rats according to Standard Operating Procedure No. AI005. The test substance was generated by nebulization and analyzed by gravimetric analysis. The mean aerosol concentration during the 4-hour exposure was 394 mg/m³. One rat was found dead after approximately 2 hours of exposure. Immediately following the exposure, clinical signs noted for the 5 remaining rats were red ocular and nasal discharges, wet perineal areas, and diarrhea. Two rats were found dead on post-exposure day 1, and 1 rat was found dead on post-exposure day 8. The rat that was found dead on post-exposure day 8 had lost 39% of its original body weight, was prostrate, and displayed gasping and labored breathing on that day. Two rats survived the entire recovery period. One of these 2 rats lost weight for 2 recovery days and 1 lost weight for 3 recovery days, folloved by normal weight gain. Clinical signs observed during the first week of the recovery period were labored and rapid breathing, gasping, dry red ocular discharge, dark eyes, enophthalmus, dry red, brown, and black nasal discharges, wet and stained perineal areas, diarrhea, and piloerection. Rapid breathing on post-exposure day 8 was the only clinical sign observed during the second week of the recovery period for the 2 surviving rats. No clinical signs of toxicity were observed for these 2 rats on the final day of the recovery period. Experimental details of the study are in laboratory notebook E-78187.

TABLE I

Characterization of Chamber Atmosphere

Chamber Aerosol Mean Conc.(mg/m³)	S.D.	Range	Particle Size Analysis MMAD[a]	GSD[b]	%<1µm	%<3µm	%<10µm
394	53.6	313 - 455	2.5	2.3	14	59	94

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[a] MMAD = Mass Median Aerodynamic Diameter
[b] GSD = Geometric Standard Deviation