



DuPont AirProducts NanoMaterials L.L.C.



November 26, 2007

Via Federal Express

Document Processing Center (Mail Code 7407M)
Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20460

Company Sanitized

07 NOV 27 11 05:05

07 NOV 27 11 05:05

Dear 8(e) Coordinator:

Mazin® Polishing Agent SR300

This letter is to inform you of the results of a recently conducted acute dermal toxicity study in rats with the above referenced test material.

A single dose of the test material was applied to the shaved, intact skin of 5 male and 5 female rats at a dose of 2000 mg/kg of body weight. The pH of the test material was 11.5. To prevent skin corrosion, the pH was lowered using CO₂ to 11.26. The application site was covered with a semi-occlusive dressing for 24 hours, after which the test material was removed. The rats were to be observed for 14 days following application. All rats were necropsied to detect grossly observable evidence of organ or tissue damage.

No deaths occurred. The rats exhibited no clinical signs of systemic toxicity. No erythema or edema was observed on the test site of the rats. In rats treated with the test material, hyperkeratosis was observed on the test site of 3 female rats 2 days after application of the test material, and ulceration was observed on the test site of 1 female rat 6-8 days after application but was reversible by 14 days following application. These dermal effects were not observed in male rats.

Under these experimental conditions, the findings described above appear to be reportable, based upon EPA's TSCA Section 8(e) reporting criteria.

Sincerely,

Carolyn W Wilkerson
DuPont Electronic Technologies
Sr. Environmental Technician/TSCA Coordinator
(757) 686-8663
Carolyn.W.Wilkerson@usa.dupont.com





DuPont AirProducts NanoMaterials L.L.C.

Composition:

Amorphous Silica (CAS # 7631-86-9)	30-40%
Tetramethyl Ammonium Hydroxide (CAS # 75-59-2)	1-5%
Water (CAS # 7732-18-5)	90-100%

TSCA 8(e) Submission:

Mazin® Polishing Agent SR300

Composition:

Amorphous Silica (7631-86-9)	42.6%
Tetramethylammonium hydroxide (75-59-2)	2.2%
Water (7732-18-5)	54.6%

	CBI	
--	------------	--

CBI
