



DA NanoMaterials L.L.C.

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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 20004

Company Sanitized

Dear 8(e) Coordinator:

[CBI]
[CBI]

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

A single dose of the test substance was administered by oral gavage to 1 fasted female rat at a dose of 175 mg/kg, to 3 fasted female rats at a dose of 550 mg/kg, and to 3 fasted female rats at a dose of 1750 mg/kg. The rats were dosed one at a time at a minimum of 48-hour intervals. The rats were observed for mortality, body weight effects, and clinical signs for up to 14 days after dosing. All rats were necropsied to detect grossly observable evidence of organ or tissue damage.

Death occurred on the day of dosing in all 3 rats dosed at 1750 mg/kg. One rat dosed at 550 mg/kg exhibited ear twitch and lethargy on the day of dosing. The estimated oral LD₅₀ was 1030 mg/kg for female rats.

Sincerely,

Carolyn W. Wilkerson
DuPont Electronic Technology
Sr. Environmental Technician/TSCA Coordinator
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DA NanoMaterials L.L.C.

Composition:

Amorphous Silica (CAS # 7631-86-9)	28-34%
Basic ammonia derivative	4-8%
Water (CAS # 7732-18-5)	58-68%

TSCA 8(e) Submission:

[CBI]

Composition:

Amorphous Silica (7631-86-9)	29.4%
Water (7732-18-5)	64.9%
Tetramethylammonium hydroxide (75-59-2)	4.6%

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[CBI]

[CBI]