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Certified Mail

March 29, 2005

Document Processing Center
EPA East – Room 6428 Attn: Section 8(e)
Office of Pollution Prevention and Toxics
US EPA
1200 Pennsylvania Avenue NW
Washington DC 20460-0001

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MR# 285271

Sanitized

RE: TSCA 8(E) SUBSTANTIAL RISK NOTICE ON:
[Fluoroalkoxyfluoroalkane]

Dear Sirs:

3M has received preliminary data for a 5-Day Inhalation Study in rats conducted on a research and development chemical [Fluoroalkoxyfluoroalkane]. At an exposure dose level of 2000 ppm, the rats showed possible signs of neurotoxicity on days 4 and 5 of exposure.

The study was conducted by 3M. Four male Sprague Dawley rats were exposed, whole body, to an atmosphere of approximately 2000 ppm of the test material for 6 hours for 5 days. Animal behavior was normal throughout exposures on days 1, 2, and 3. On day 4 facial muscle twitching occurred in 4/4 animals. On day 5, occurrences of facial muscle twitching were also noted in 4/4 animals but to a lesser extent. At the end of exposure, animals were removed from exposure chambers and all rats resumed their normal eating and drinking patterns.

Gross necropsy was conducted 7 days post exposure on all rats. No abnormalities or other significant findings were noted.

The study is not complete at this time. Analytical work is being conducted on serum and urine samples collected from the exposed rats. A final report will be forwarded to EPA when received.

Please contact Paul Lieder (651-737-2678) if you have any questions or if we can provide additional information.

Sincerely,

Katherine E. Reed
Staff Vice President, Environmental Health and Safety Operations



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