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MR# 273883

March 12, 2004

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

Dear 8(e) Coordinator:

R&D Samples Containing Halogenated Alkenes

A two-week subchronic toxicity study in male rats was recently conducted with R&D samples containing the above referenced substance; impurities were not characterized. This letter is to inform you of the findings.

Nasal olfactory degeneration was observed in all rats at 50 ppm. Nasal lesions involved multifocal degeneration and necrosis of the olfactory and sustentacular cells with occasional focal mucosal sloughing. Nasal mucosa appeared thinner due to the loss of sensory cells or was disorganized due to the regeneration of sensory and sustentacular cells. A possible slight increase in mitotic index may have occurred in basal cells. Mild atrophy was seen in Bowman's glands and was characterized by a thinning of the glandular epithelium in lamina propria.

Exposures were conducted by whole body inhalation for six hours per day for nine days at either 0, 1, 5 or 50 ppm. Body weights and clinical signs were evaluated daily and histopathology of major organ systems was evaluated after the exposure period; no recovery period was included in this study.

Other findings included, slight body weight reductions in rats exposed to 50 ppm compared to the control group. Salivation was seen in several 50 ppm rats on the first day of exposure.

Sincerely yours,

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