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8EHQ-07-16913	89110000030	11/5/10

COMMENTS:

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DuPont Haskell Global Centers
for Health and Environmental Sciences
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Newark, DE 19714-0050

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November 4, 2010

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
ICC Building
1201 Constitution Ave., NW
Washington, DC 20004

8EHQ-1110-16913G
DCN:89110000030



Dear 8(e) Coordinator:

8EHQ-07-16913
1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-
CAS # 647-42-7

This letter is to inform you of the results of a one-week inhalation study with the above referenced test substance.

In this one-week study, 4 groups of 5 male and 4 groups of 5 female Crl:CD(SD) rats were exposed whole body for 6 hours/day for 5 consecutive days to airborne concentrations of 0 ± 0 , 1.1 ± 0.039 , 10 ± 0.16 or 96 ± 1.4 ppm (mean \pm S.E.M.) of the test substance. Animals were weighed and observed for clinical signs of toxicity daily. Following the final exposure all animals were sacrificed and subjected to a gross anatomical and microscopic pathology evaluation.

There were no clinical signs of toxicity observed in any animals in this study. A statistically significant reduction in mean body weight compared to the control group was observed on test day 5 in males (8%) and on test days 1, 3 and 5 in females (6-8%) exposed to 96 ppm of the test substance. Both male and female rats from the 96 ppm exposure group demonstrated decreased thymic weights that were not associated with any correlative microscopic histopahtological changes in the thymus or other lymphoid tissues. Male rats exposed to 96 ppm demonstrated increased mean liver weights relative to both body and brain weights that were not associated with correlative microscopic findings. Test substance-related microscopic findings were limited to the incisor teeth of male and female rats exposed to 96 ppm. Teeth changes were characterized by the presence of basophilic striations within the inner dentin. This change is a common finding in rats following exposure to fluoride-containing compounds and was not associated with changes in odontogenic epithelium or with gross changes in the teeth. None of the changes observed in 96 ppm exposure groups are considered adverse. Rats in the two lower exposure groups did not demonstrate an increase in gross or microscopic findings compared to controls.

This information is submitted in accordance with current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act or, where it is not clear that reporting

CONTAINS NO CBI

criteria have been met, it is submitted as a precautionary measure and because it is information in which EPA may have an interest.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Satheesh Anand". The signature is fluid and cursive, with the first letter of the first name being a large, stylized 'S'.

S. Satheesh Anand, Ph.D., DABT
Senior Research Toxicologist

SSA/MPD: clp
(302) 366-5314



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