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DOCUMENT DESCRIPTION

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8EHQ-11-18217

88110000101

12/22/10

COMMENTS:

DOES NOT CONTAIN CBI



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DuPont Haskell Global Centers
for Health and Environmental Sciences
1090 Elkton Road, P.O. Box 50
Newark, DE 19714-0050

December 21, 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-1210-18217A
DCN:88110000101

Dear 8(e) Coordinator:



Formaldehyde
CAS # 50-00-0

DuPont received information from a third party on the above-referenced substance. DuPont has reviewed the information for reportability under TSCA 8(e) and provides below summary of the information that has been determined to meet EPA's TSCA 8(e) criteria for reporting. It is unknown whether the information reported below has been previously reported to EPA by any third party or is otherwise considered known to the Administrator under TSCA 8(e) guidance.

Inhalation Study 1

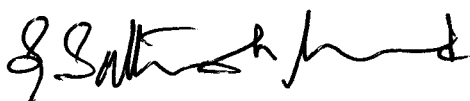
Sprague-Dawley rats were exposed for 1 hour (6 per sex), 3 hours (3 per sex), or 7 hours (3 per sex) to an atmosphere enriched with formaldehyde by passing air through a 5% formaldehyde solution in water at 20°C. The estimated concentration for 5% formaldehyde was 20-21 mg/L. The post exposure observation period was 14 days. Clinical signs observed during and after exposure included escape behavior, watery eyes, nasal secretion, dyspnea, staggered gait and ruffled fur. There were no mortality in the 1-hour exposure group and 1/6 and 6/6 animals died in the 3-hour and 7-hour exposure groups, respectively. No gross lesions in survivors, but dilatation of heart, hyperemia, and slight lung edema were observed in animals found dead.

CONTAINS NO CBI

Inhalation Study 2

Sprague-Dawley rats were exposed for 3 hours (6 per sex) or 7 hours (3 per sex) to an atmosphere enriched with formaldehyde by passing air through a 2.5% formaldehyde solution in water at 20°C. The estimated concentration 2.5% formaldehyde was 17 mg/L. The post exposure observation period was 14 days. Clinical signs observed during exposure included watery and reddened nasal secretion, watery eyes, dyspnea, wheeze and tremor. After exposure staggered gait, ruffled fur and reddened nose with eschar formation were observed. There were no mortality in the 3-hour exposure group and 2/6 animals died in the 7-hour exposure group. No gross lesions in survivors, but dilation of heart, hyperemia, and slight lung edema were observed in animals found dead.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Satheesh Anand', with a stylized flourish at the end.

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

SSA/SAG: clp
(302) 366-5314



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