



1803 BUILDING  
December 2, 2008

The Dow Chemical Company  
Midland, Michigan 48674  
USA

[CONTAINS NO CONFIDENTIAL BUSINESS INFORMATION]

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(Attn: TSCA Section 8(e) Coordinator)  
Office of Pollution Prevention and Toxics  
Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460-0001



RE: 3-AMINO-4-OCTANOL  
CASRN 1001354-72-8

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act. Dow has made no determination as to whether a significant risk of injury to health or the environment is actually presented by the findings.

The test substance was administered by gavage at 0, 15, 60 or 150 mg/kg/day to groups of male and female Crl:CD(SD)rats for two weeks pre-breeding, through gestation, and up to lactation day 4(females) or 32 (males).

Treatment-related findings were limited to very slight degeneration of the testis germinal epithelium in 5 of 12 animals (3 unilateral; 2 bilateral) in the 150 mg/kg/day dose group, compared to background incidence of 2, 3, and 1 of 12 animals (all unilateral) in the 0, 15, and 60 mg/kg/day dose groups. The finding was deemed treatment-related in the 150 mg/kg/day dose groups due to a combination of the increased incidence (unilateral+bilateral) above concurrent and historical controls, and the bilateral observation in only the high-dose group. This degeneration was characterized by loss and disruption of the germinal epithelial cells, and vacuolation of germinal and Sertoli cells. The toxicological significance of this finding is questionable in light of the fact that a previous study of similar duration and slightly higher dose, in a different strain of rat, did not show these effects.

There were no treatment-related effects on mating, conception, fertility, post-implantation loss, litter size, pup weight or survival, or organ weights.

Questions may be directed to the undersigned.

Sincerely,

*Linda C. Burgert*

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