



MR#304640

CONTAIN NO CBI

The Dow Chemical Company  
Midland, Michigan 48674  
USA

1803 BUILDING  
May 11, 2007

CERTIFIED MAIL--RETURN RECEIPT REQUESTED  
7000 0600 0025 5632 1403

RECEIVED  
DPT/CBIC  
07 MAY 16 AM 10:39

[CONTAINS NO CONFIDENTIAL BUSINESS INFORMATION]

Document Processing Center (7407M)  
(Attn: TSCA Section 8(e) Coordinator)  
Office of Pollution Prevention and Toxics  
Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460-0001

Re: 4,4-Dimethyloxazolidine  
CASRN: 51200-87-4

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 oral gavage to groups of 27 male and female Crl:CD(SD)rats at 0, 20, 60 and 200 mg/kg body weight/day as part of a two-generation reproductive toxicity study. The study is currently in progress.

Necropsy of the first generation was recently completed. Post implantation loss was increased from 6.37% in the control group to 11.71 and 18.72% for the 60 and 200 mg/kg dose groups respectively. The post implantation loss at 60 mg/kg dose level was influenced by a single dam's loss of 14 of 16 pups.

No written report of these results is yet available. Questions may be addressed to the undersigned.

Sincerely,

*Linda C. Burgert*

Linda C. Burgert  
PH: 989-636-1011  
FAX: 989-638-9933  
E-MAIL: [lburgert@dow.com](mailto:lburgert@dow.com)



jt

