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Attention: 8(e) Coordinator  
Office of Pollution Prevention and Toxic Substances  
U. S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

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Ladies and Gentlemen:

**Subject:** Results of Mouse Micronucleus Test With Formamide Conducted by  
BASFAktiengesellschaft, Ludwigshafen, Germany

BASF Corporation is submitting results of a mouse micronucleus study with Formamide (CAS 75-12-7). Formamide was tested for its potential for micronucleus induction in mouse bone marrow cells after intraperitoneal administration. For each harvest time, 5 male mice per group were dosed with the test substance under the following concentrations and durations: 450, 900 and 1,800 mg/kg bw at 24-hrs, 225, 450, 900, and 1,800 mg/kg bw at 48-hrs and 1,800 mg/kg at 72-hrs. The study was performed according to OECD 474 and EEC 2002/32, B.12 guidelines.

**Summary of Relevant Results:**

The number of micronucleated polychromatic erythrocytes (PCE) showed numerical increases over controls in all doses at 24-hrs, without achieving statistical significance. At 48-hrs, the 450, 900 and 1,800 mg/kg bw concentration showed statistically significant increases in micronucleated PCE, while there was no statistically significant increase in the 225 mg/kg bw dose. At 72-hrs, the dose of 1,800 mg/kg bw showed a statistical significant increase in the number of micronucleated PCE.

Although these findings occurred only at high dose levels, which are far above any expected human exposure, BASF Corporation understands that the reporting of the study results is in accordance with EPA's policy. Results from this study will be included on the appropriate Material Safety Data Sheets.

Very truly yours,

BASF CORPORATION

Edward J. Kerfoot, Ph.D.  
Director, Toxicology and Product Regulations

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