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MR 270943

November 13, 2003

Attention: 8(e) Coordinator  
U. S. Environmental Protection Agency  
Document Control Officer  
Office of Pollution Prevention and Toxic Substances, 7407  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

**Contain NO CBI**

Ladies and Gentlemen:

**Subject:** Notice in accordance with Section 8 (e) - Results of an acute toxicity study in Algae (*Desmodesmus subspicatus*) with Fluoxetine-Hydrochloride.

BASF Corporation is submitting results of an acute toxicity test with Fluoxetine-Hydrochloride (CASRN: 56296-78-7) in Algae (*Desmodesmus subspicatus*) conducted by BASF Aktiengesellschaft, Ludwigshafen, Germany. The test was conducted in a static system over 72 hours according to the following test guidelines: EEC Directive 92/69/EEC, Annex V, Part C.3. Algal Inhibition Test, updated 29-December-1992; OECD Guideline for Testing of Chemicals, No. 201 (June 1984): Algal Growth Inhibition Test; and EPA Ecological Effects Test Guidelines. OPPTS 850.5400 (Public Draft, April 1996): Algal Toxicity, Tiers I and II. The following nominal concentrations (mg/L) were tested: 0 (control), 10, 3.33, 1.11, 0.370, 0.123, 0.0412, 0.0137, 0.00457, and 0.00152.

**Results**

The following effect concentration (mg/L) was obtained based on nominal concentrations:

$$E_b C_{50} (72 \text{ h}) = 0.0235 \text{ mg/l}$$

Although the findings are not considered to present a substantial risk to human health or the environment, BASF Corporation understands that reporting of results from this study under TSCA 8(e) is in accordance with EPA's policy.

Very truly yours,

BASF CORPORATION

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



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