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April 23, 2009



Via Federal Express

United States Environmental Protection Agency - East
Attn: TSCA Section 8(e)
Room 6428
1201 Constitution Avenue, NW
Washington, DC 20004



Subject: Notice in Accordance with Section 8(e): Results of an Acute Toxicity Study in Water Flea *Daphnia magna* STRAUS with Para-Tert-Butylbenzaldehyde (CAS No. 939-97-9)

Dear Sir/Madam:

BASF Corporation is submitting results of an acute toxicity test with Para-Tert-Butylbenzaldehyde (CAS No. 939-97-9) in water flea *Daphnia magna* STRAUS, conducted by BASF SE, Ludwigshafen, Germany. The test substance is solely used as an intermediate.

The test was conducted in a static renewal system, renewal of test solutions after 24 hours according to the following test guidelines: OECD 202, Commission Regulation (EC) No. 440/2008, C.2. The following nominal concentrations were tested: 0, 0.1, 0.22, 0.5, 1.0, 2.2 and 5.0 mg/L.

Fresh test solutions were prepared on each day of the study. Preparation of the stock solution: The container with the test substance was shaken to homogenise the test substance prior to removal for weighing. The stock test solutions (5 mg/L) were prepared by adding 10.08 mg and 10.1 mg (respectively) of test substance in 2 L of test medium and stirring (magnetic stir plate) for about 20 minutes at 20 ±2°C. The remaining test solutions were prepared by dilution of the stock solution.

All test solutions were visibly clear over the exposure period. All test concentrations were renewed with fresh test solutions prepared daily, since the substance was not completely stable in the test media (64% after 24 hours). There was a large variability in the analytically determined concentrations most likely due to the instability of the test substance in water and the lag time for analysis. Analytically determined values that were measured 24h after sampling were corrected for the 64% recovery. The corrected mean

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initial measured concentrations ranged from 78 – 140% of nominal; it is recommended that the corrected mean initial measured concentrations are used for an evaluation of the toxicity results.

The following effect concentrations (mg/L) were obtained based on corrected mean initial measured concentrations:

EC₀ (48 h) = 0.175 mg/L measured

EC₅₀ (48 h) = 0.415 mg/L measured

EC₁₀₀ (48 h) = 0.78 mg/L measured

BASF Corporation understands that reporting of the results from this study under TSCA 8(e) is in accordance with EPA's policy.

If you have any questions, please call Janet Cerra at (973) 245-6693.

Sincerely,

Janet Cerra

Janet Cerra
Product Regulatory Center of Expertise
North America

/jc

979th Letter.doc

From: Origin ID: LKKA (973) 245-6693
 Janet Cerra
 BASF
 100 Campus Drive

Florham Park, NJ 07932



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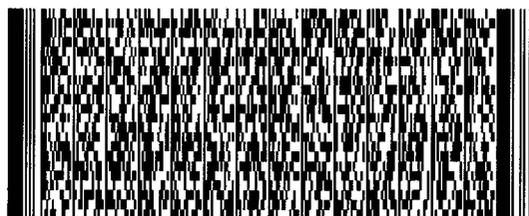
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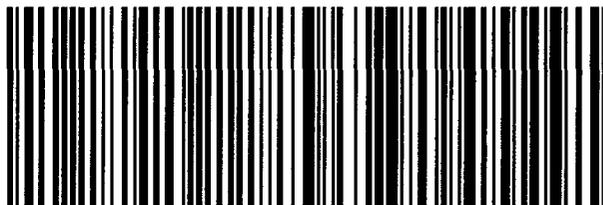
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