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Document Title					
INITIAL SUBMISSION: SUMMARY REPORT OF EFFECT OF [] ON MORTALITY AND REPRODUCTION OF DAPHNIA MAGNA, WITH COVER LETTER DATED (SANITIZED)					
Chemical Category		CONFIDENTIAL			

**INITIAL
SUB-
MISSION**

A 03

BASF Corporation

8EHQ-1299-146045

SANITIZED

BASF

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November 30, 1999

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Attention: (8e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

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MR 29562

Ladies and Gentlemen:

Notice in Accordance to TSCA Section 8(e) - Preliminary results of a 21-day reproduction study in Daphnia.

BASF Corporation is submitting preliminary results of a 21-day reproduction study in Daphnia with a developmental fungicide, conducted by BASF Aktiengesellschaft, Ludwigshafen, Germany. Shipments totaling approximately 1.5 kilograms active ingredient have been shipped to the U.S. since 1995.

The NOEC was determined to be 0.004 mg/l. Please see attached draft summary.

Any reports or additional information that we receive will be forwarded to the Agency and Material Safety Data Sheets will be updated with this preliminary information.

If you have any questions, please feel free to call me at (734) 324-6207.

Very Truly Yours,

BASF Corporation

Edward J. Kerfoot

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

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/Attachment

Company Sanitized

Summary

Title: Effect of _____ on Mortality and Reproduction of *Daphnia magna*
Author(s): _____
Performing Lab.: _____

GLP Compliance: yes

Certifying Authority: _____

Test Substance: _____

Test System:

Species:

Parameters:

Test design:

Analytical monitoring:

Results:

Statistics:

Daphnia magna STRAUS, neonates collected from in house culture, less than 24 hours old at test initiation.
Glass vessels, test volume 50 mL, dilution water "M4" (Elendt medium), pH 7.92 - 8.37, oxygen content 8.3 - 9.3 mg/L, total hardness 2.26 - 2.63 mmol/L, conductivity 617 - 673 μ S/cm, feeding with algae, no ventilation, temperature 20-21 °C, light intensity < 1500 lux, day:night-rhythm 16:8 h.
semi - static test; 7 concentrations (0.25, 0.5, 1, 2, 4, 8, 16 μ g/L, nominal) plus a control and a solvent control each with 10 replicates; 1 parent daphnia per replicate; evaluation of parent mortality, offspring and other effects at least on each working day, measurement of the total parent length at the end of the test after 21 days.

Yes, mean analytically determined concentrations were > 80% of nominal.

NOEC = 4 μ g/L
LOEC = 8 μ g/L
EC₅₀ = 11.2 μ g/L (reproduction)

Probit analysis, Analysis of variance, Dunnett's- and Bonferroni tests, standard procedures.

Company: _____

CERTIFICATE OF AUTHENTICITY

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