

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE

H-24390: STATIC, ACUTE 48-HOUR SCREENING TEST
TO *Daphnia magna*

PURPOSE: This is a rangefinding study designed to provide an estimate of aquatic toxicity using fixed test concentrations and data measurements at predetermined intervals.

GENERAL INFORMATION

WORK REQUEST NUMBER: [REDACTED]

HASKELL NUMBER: 24390

SERVICE CODE: [REDACTED]

MATERIAL TESTED: [REDACTED]

SYNONYMS/CODES: [REDACTED]

SPONSOR: DuPont Specialty Chemicals

NOTEBOOK ID: [REDACTED]

SUBMITTER'S: N/A

NOTEBOOK NUMBER: Not provided by sponsor

COMPOSITION: [REDACTED]

CONTAMINANTS: [REDACTED]

CAS REGISTRY: [REDACTED]

PURITY: not provided by sponsor

MSDS No.: Electronic MSDS DU007357, 10097 PP

Company Sanitized. Does not contain TSCA CBI

TEST CONDITIONS

Nominal concentrations tested: 0, 1.0, 10, 100, and 1000 mg/L.

Nominal Concentration (mg/L)	Test Initiation (0 hours)		Test Completion (48 hours)	
	Dissolved Oxygen (mg/L)	pH	Dissolved Oxygen (mg/L)	pH
0	9.8	7.2	9.0	6.8
1.0	9.9	7.3	9.1	7.0
10	9.9	7.3	9.1	7.1
100	9.9	7.3	9.1	7.3
1000	9.9	7.3	8.9	7.4

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TO *Daphnia magna*, CONTINUED

RESULTS

Based on visual observations, the water control and 1.0 mg/L test solutions were clear with no color throughout the test. The 10 and 100 mg/L test solutions had suspended material present throughout the test. The 1000 mg/L test solution was slightly cloudy with suspended material present throughout the test. Immobilities at the end of the study were 0, 0, 0, 30, and 30% in the 0, 1.0, 10, 100, and 1000 mg/L test solutions, respectively. At test end, lethargy was present in 14% (1/7) of the remaining mobile daphnia in the 1000 mg/L test solution. All other surviving daphnids appeared normal at the end of the study. The 48-hour EC_{50} , based on nominal concentrations and immobility, was greater than 1000mg/L. All water quality parameters were within acceptable ranges during the exposure.

CONCLUSIONS

H-24390 exhibited low toxicity in a 48-hour, unaerated, static acute test using *Daphnia magna*.

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