

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINEH-22762: 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: 22762

TEST CODE: [REDACTED]

MATERIAL TESTED: [REDACTED]

SYNONYMS/CODES: [REDACTED]

SPONSOR: DuPont Specialty Chemicals

NOTEBOOK ID: [REDACTED]

SUBMITTER'S

NOTEBOOK NUMBER: [REDACTED]

COMPOSITION: [REDACTED]

CONTAMINANTS: [REDACTED]

CAS REGISTRY: [REDACTED]

PURITY: [REDACTED]

TEST CONDITIONS

Nominal concentrations tested: 0, 0.5, 1.0, 50, 500, and 5000 mg/L.

Nominal Concentration (mg/L)	Test Initiation (0 hours)				Test Completion (48 hours)			
	Dissolved Oxygen (mg/L)		pH		Dissolved Oxygen (mg/L)		pH	
	A ⁺	B ⁺	A ⁺	B ⁺	A ⁺	B ⁺	A ⁺	B ⁺
0	8.8	8.8	8.0	8.0	9.0	9.0	8.0	8.1
0.5	8.8	8.8	8.0	8.0	9.0	8.9	8.1	8.1
1.0	8.8	8.8	8.0	8.0	8.9	8.9	8.1	8.1
50	8.8	8.8	8.0	8.1	8.9	8.9	8.1	8.1
500	8.8	8.8	7.8	7.8	8.8 ^a	8.8 ^a	7.7 ^a	7.7 ^a
5000	8.8	8.7	7.5	7.4	8.8 ^a	8.8 ^a	7.3 ^a	7.2 ^a

⁺ A and B represent replicate test chambers within a dose level concentration.^a Measurement was taken 24 hours after exposure started due to total immobility.

**H-22762: STATIC, ACUTE 48-HOUR SCREENING TEST
TO *Daphnia magna*, CONTINUED****RESULTS**

Based on visual observations, the water control solution and the 0.5, 1.0, and 50 mg/L test solutions were clear and had no color. The 500 and 5000 mg/L test solutions were cloudy with a surface film and undissolved test material present. At 24 hours, the 500 and 5000 mg/L test solutions were clear and had undissolved test material at the bottom of the test vessels, and a surface film. The remaining test solutions and control remained unchanged throughout the study. Immobilities were 0, 0, 0, 30, 100, and 100% in the 0, 0.5, 1.0, 50, 500, and 5000mg/L test concentrations, respectively. The 48-hour EC₅₀, based on nominal concentrations and immobility, was between 50 and 500 mg/L. All water quality parameters were within acceptable limits.

CONCLUSIONS

H-22762 exhibited slight toxicity in a 48-hour, unaerated, static acute test using *Daphnia magna*.

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