

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE

H-24390: STATIC, ACUTE 96-HOUR SCREENING TEST
TO FATHEAD MINNOWS, *Pimephales promelas*

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

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

**H-24390: STATIC, ACUTE 96-HOUR SCREENING TEST
TO FATHEAD MINNOWS, *Pimephales promelas*, CONTINUED**

TEST CONDITIONS

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

Nominal Concentration (mg/L)	Test Initiation (0 hours)		Test Completion (96 hours)	
	Dissolved Oxygen (mg/L)	pH	Dissolved Oxygen (mg/L)	pH
0	8.6	7.1	6.9	7.2
1.0	8.6	7.2	6.9	7.2
10	8.6	7.2	6.6	7.2
100	8.6	7.2	6.5 ^b	7.2 ^b
1000	8.6	7.1	8.1 ^a	7.1 ^a

^a Measurement performed at 24 hours due to total mortality in concentration.

^b Measurement performed at 72 hours due to total mortality in concentration.

RESULTS

Based on visual observations, the water control was clear with no color at test start. The 1.0, 10, and 100 mg/L test solutions were clear and colorless, with a small amount of white, undissolved test material present. The 1000 mg/L test solution was cloudy, with a small amount of white, undissolved test material present. After 24 hours of exposure, the undissolved test material was no longer visible. Mortalities at the end of the study were 0, 0, 0, 100, and 100% in the 0, 1.0, 10, 100, and 1000 mg/L test solutions, respectively. All remaining surviving fish appeared normal. The 96-hour LC₅₀, based on nominal concentrations and mortality, was 32 mg/L, with lower and upper confidence bounds of 10 and 100 mg/L, respectively. All water quality parameters were within acceptable ranges during the exposure.

CONCLUSIONS

H-24390 exhibited medium toxicity in a 96-hour, unaerated, static acute test using fathead minnows, *Pimephales promelas*.

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