

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINESTATIC, ACUTE 96-HOUR SCREENING TEST OF H-21460
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

MR: [REDACTED] MATERIAL TESTED: [REDACTED]
HASKELL NUMBER: 21460 SYNONYMS: [REDACTED]
TEST CODE: [REDACTED]
SPONSOR: DuPont Specialty Chemicals
NOTEBOOK ID: [REDACTED]
SUBMITTER'S [REDACTED]
NOTEBOOKS NO.: [REDACTED]
COMPOSITION: [REDACTED]
CONTAMINANTS: [REDACTED]
OTHER CODES: [REDACTED]
CAS REGISTRY: [REDACTED]
PURITY: [REDACTED]

TEST CONDITIONS

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

Nominal Concentration (mg/L)	At test initiation, 0 Hours		At test completion, 96 Hours	
	Dissolved Oxygen (mg/L)	pH	Dissolved Oxygen (mg/L)	pH
0	8.5	7.7	6.3	7.8
0.5	8.5	7.7	5.1	7.7
1.0	8.5	7.7	5.8	7.7
50	8.5	7.7	4.8	7.7
500	8.5	7.7	4.8	7.7
5000	8.5	7.7	4.8	7.7

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RESULTS

Based on visual observations, all solutions were clear, except for 50 mg/L which was slightly cloudy, 500 mg/L which was cloudy, and 5000 mg/L which was cloudy and white in color. Mortalities were 0, 0, 0, 0, 0, and 0+, respectively. The 96-hour LC50, based on nominal concentrations and mortality, was greater than 5000 mg/L. All water quality parameters were within acceptable limits.

CONCLUSIONS

H-21460 exhibited very low toxicity in a 96-hour, unaerated, static acute test using fathead minnows, Pimephales promelas.

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DISTRIBUTION:

[REDACTED]