

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE

STATIC, ACUTE 96-HOUR SCREENING TEST OF H-21954
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]
HASKELL NUMBER: 21954
TEST CODE: [REDACTED]
SPONSOR: DuPont Specialty Chemicals
NOTEBOOK ID: [REDACTED]
SUBMITTER'S [REDACTED]
NOTEBOOK NO.: [REDACTED]
MATERIAL TESTED: [REDACTED]
SYNONYMS: [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.

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STATIC, ACUTE 96-HOUR SCREENING TEST OF H-21954
TO FATHEAD MINNOWS, Pimephales promelas, CONTINUED

TEST CONDITIONS (Continued)

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	8.4	7.5	7.4	7.6
0.5	8.4	7.5	7.5	7.6
1.0	8.4	7.5	7.6	7.6
50	8.4	7.5	7.4	7.6
500	8.4	7.5	7.2	7.6
5000	8.5	7.6	8.4 ^a	7.6 ^a

^a Reading taken at approximately 3 hours after exposure, due to total mortality.

RESULTS

Based on visual observations, all test solutions were clear with no color, except for the 5000 mg/L test solution, which was cloudy, white in color. The 5000 mg/L test solution was cloudy, white in color. Mortalities were 0, 0, 0, 0, 0, and 100%, respectively. The 96-hour LC50, based on nominal concentrations and mortality, was between 500 and 5000 mg/L. All water quality parameters were within acceptable limits.

CONCLUSIONS

H-21954 exhibited low toxicity in a 96-hour, unaerated, static acute test using fathead minnows, Pimephales promelas.

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DISTRIBUTION:

