

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINEH-23005: 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: 23005
TEST CODE: [REDACTED]
MATERIAL TESTED: [REDACTED]
SYNONYMS/CODES: [REDACTED]
SPONSOR: DuPont Specialty Chemicals
NOTEBOOK ID: [REDACTED]
SUBMITTER'S
NOTEBOOK NUMBER: None available
COMPOSITION: [REDACTED]
CONTAMINANTS: [REDACTED]
CAS REGISTRY: None available
PURITY: Not supplied by sponsor.

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 (96 hours)	
	Dissolved Oxygen (mg/L)	pH	Dissolved Oxygen (mg/L)	pH
0	8.8	7.4	8.7	7.5
0.5	8.8	7.3	8.7	7.5
1.0	8.7	7.3	8.5	7.5
50	8.8	6.6	8.6	7.5
500	8.9	6.0	7.5 ^b	6.4 ^b
5000	8.7	5.0	8.1 ^a	5.2 ^a

^a Measurement taken on day 1 due to total mortality.

^b Measurement taken on day 0 after 1 hour due to total mortality.

Company Sanitized. Does not contain TSCA CBI

**H-23005: STATIC, ACUTE 96-HOUR SCREENING TEST
TO FATHEAD MINNOWS, *Pimephales promelas*, CONTINUED**

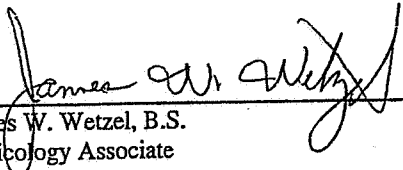
RESULTS

Based on visual observations, the water control solution and the 0.5, 1.0, 50, and 500 mg/L test solutions all were clear with no color during the test. The 5000 mg/L test solution was cloudy yellow at test start and after 1 hour. After 24 hours undissolved test substance was found at the bottom of 500 mg/L test solution. Mortalities were 0, 0, 0, 40, 100 and 100% in the 0, 0.5, 1.0, 50, 500 and 5000 mg/L, respectively. The 96-hour LC_{50} , based on nominal concentrations and mortality, was between 50 and 500 mg/L. All water quality parameters were within acceptable limits except the pH of 5000 mg/L was low.

CONCLUSIONS

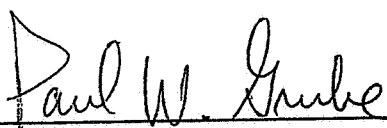
H-23005 exhibited slight toxicity in a 96-hour, unaerated, static acute test using fathead minnows, *Pimephales promelas*.

WORK BY:


James W. Wetzel, B.S.
Toxicology Associate

2/18/98
Month/Day/Year

APPROVED BY:


Paul W. Grube, B.A.
Study Director

02/18/98
Month/Day/Year

DISTRIBUTION:

Kavsy Dastur / Jack LB J1D - 103 / (1)
Elizabeth Holloway / Barl MI 23 1304 / (1)
Sharon Cattie / H-1 / (1)

Company Sanitized. Does not contain TSCA CBI.