DuPont HLR 287-94

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE

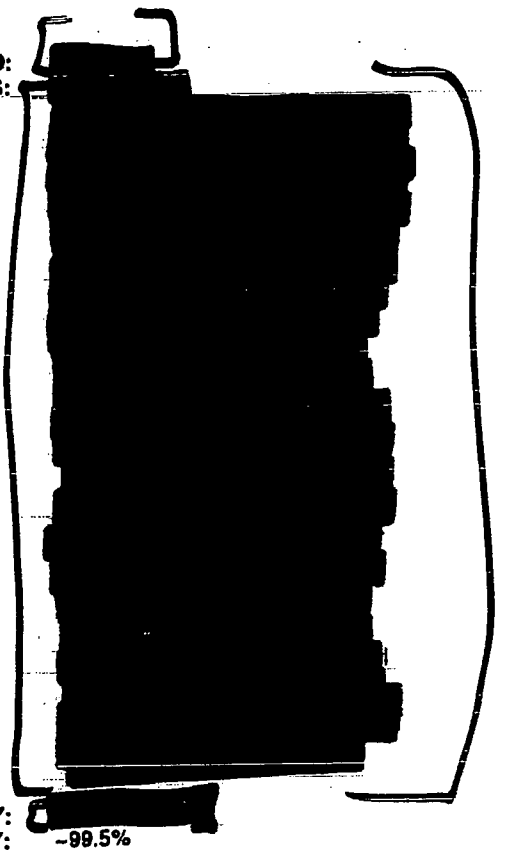
STATIC, ACUTE 96-HOUR SCREENING TEST OF H-20431 TO FATHEAD MINNOWS, *Pimephales promelas*

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: 20431
TEST CODE: 295
SPONSOR: DuPont Specialty Chemicals
NOTEBOOK ID: [redacted]

MATERIAL TESTED:
SYNONYMS/OTHER CODES:



CAS REGISTRY: [redacted]
PURITY: ~99.5%

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STATIC, ACUTE 96-HOUR SCREENING TEST OF H-20431 TO FATHEAD MINNOWS, *Pimephales promelas*, Continued

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 Dissolved Oxygen (mg/L)	pH	At test completion, 96 Hours Dissolved Oxygen (mg/L)	pH
0	8.5	7.4	6.9	7.2
0.5	8.6	7.4	6.5	7.2
1.0	8.5	7.4	6.0	7.2
50	8.4	7.5	8.1[a]	7.1[a]
500	8.4	7.0	8.5[b]	7.1[b]
5000	8.3	6.0	8.3[b]	6.2[b]

[a]Readings taken at 24 hours due to total mortality.
[b]Readings taken at approximately 4 hours due to total mortality.

RESULTS

Based on visual observations, all solutions were clear except 50, 500 and 5000 mg/L which were cloudy. All solutions had air bubbles collecting on the inside of test vessels. Mortalities were 0, 0, 0, 100, 100, and 100%, respectively. All water quality parameters were within acceptable limits. Loading (0.08 g/L) was also within acceptable limits.

CONCLUSIONS

H-20431 exhibited moderate toxicity in a 96-hour, unaerated, static acute test using fathead minnows, *Pimephales promelas*.

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