

DuPont REG 357-95

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE

STATIC, ACUTE 48-HOUR SCREENING TEST OF H-21095
TO Daphnia magna

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: 21095
TEST CODE: [REDACTED]
SPONSOR: DuPont Specialty Chemicals
NOTEBOOK ID: [REDACTED]

MATERIAL TESTED: [REDACTED]
SYNONYMS: [REDACTED]

SUBMITTER'S
NOTEBOOK NO.: None submitted
COMPOSITION: H-21095 contains:
[REDACTED]

CONTAMINANTS: None

OTHER CODES: [REDACTED]
CAS REGISTRY: None Available
PURITY: 30%

TEST CONDITIONS

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

Nominal Concentration Replicate (mg/L)	At Test Initiation				At Test Completion			
	pH		Dissolved Oxygen (mg/L)		pH		Dissolved Oxygen (mg/L)	
	Replicate A	Replicate B	Replicate A	Replicate B	Replicate A	Replicate B	Replicate A	Replicate B
0	8.6	8.6	8.7	8.7	8.3	8.3	8.7	8.7
0.5	8.6	8.6	8.7	8.7	8.3	8.3	8.8	8.7
1.0	8.6	8.6	8.7	8.7	8.3	8.3	8.7	8.7
50	8.5	8.5	8.7	8.7	8.3	8.3	8.6	8.6
500	8.0	8.0	8.6	8.6	7.8 ^a	7.8 ^a	8.6 ^a	8.6 ^a
5000	6.1	6.1	8.6	8.6	6.3 ^a	6.3 ^a	8.7 ^a	8.7 ^a

^aReading taken approximately 24 hours after exposure due to total mortality.

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AND INDUSTRIAL MEDICINESTATIC, ACUTE 48-HOUR SCREENING TEST OF H-21095
TO Daphnia magna, CONTINUED

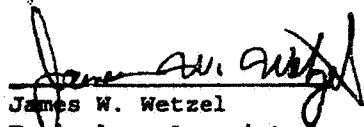
RESULTS

Based on visual observations, all solutions were clear at test start, except for 5000 mg/L which was slightly yellow in color. At 24 hours after exposure, the 50 mg/L test solutions were slightly cloudy, and the 500 mg/L test solutions were cloudy. Immobilities were 0, 0, 0, 0, 100, and 100%, respectively. The 48-hour EC50, based on nominal concentrations and immobility, was between 50 and 500 mg/L. All water quality parameters were within acceptable limits.

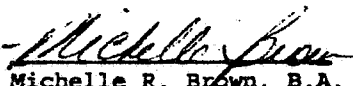
CONCLUSIONS

H-21095 exhibited slight toxicity in a 48-hour, unaerated, static acute test using Daphnia magna.

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