

HASKELL LABORATORY FOR TOXICOLOGY  
AND INDUSTRIAL MEDICINE

STATIC, ACUTE 48-HOUR SCREENING TEST OF H-21952  
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: 21952  
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.

**HASKELL LABORATORY FOR TOXICOLOGY  
AND INDUSTRIAL MEDICINE**

**STATIC, ACUTE 48-HOUR SCREENING TEST OF H-21952  
Daphnia magna, CONTINUED**

**TEST CONDITIONS (Continued)**

Dissolved Oxygen and pH:

| Nominal<br>Concentration<br><u>Replicate</u><br>(mg/L) | At Test Initiation |     |                            |     | At Test Completion |     |                            |     |
|--------------------------------------------------------|--------------------|-----|----------------------------|-----|--------------------|-----|----------------------------|-----|
|                                                        | pH                 |     | Dissolved<br>Oxygen (mg/L) |     | pH                 |     | Dissolved<br>Oxygen (mg/L) |     |
|                                                        | <u>Replicate</u>   |     | <u>Replicate</u>           |     | <u>Replicate</u>   |     | <u>Replicate</u>           |     |
|                                                        | A                  | B   | A                          | B   | A                  | B   | A                          | B   |
| 0                                                      | 8.8                | 8.8 | 8.6                        | 8.6 | 8.4                | 8.4 | 8.8                        | 8.8 |
| 0.5                                                    | 8.8                | 8.8 | 8.6                        | 8.6 | 8.4                | 8.4 | 8.8                        | 8.8 |
| 1.0                                                    | 8.8                | 8.8 | 8.6                        | 8.6 | 8.4                | 8.4 | 8.8                        | 8.8 |
| 50                                                     | 8.8                | 8.8 | 8.6                        | 8.5 | 8.4                | 8.4 | 8.8                        | 8.8 |
| 500                                                    | 8.7                | 8.7 | 8.5                        | 8.6 | 8.4                | 8.4 | 8.8                        | 8.8 |
| 5000                                                   | 8.4                | 8.4 | 8.5                        | 8.5 | 8.4                | 8.4 | 8.9                        | 8.9 |

**RESULTS**

Based on visual observations, all test solutions were clear and colorless. Immobilities were 0, 0, 0, 0, 20, and 80%, respectively. Ten percent of the daphnia in the 0.5, 500, and 5000 mg/L test solutions were lethargic and at the bottom of the test vessel. The 48-hour EC50, based on nominal concentrations and immobility, was between 500 and 5000 mg/L. All water quality parameters were within acceptable limits.

**CONCLUSIONS**

H-21952 exhibited low toxicity in a 48-hour, unaerated, static acute test using Daphnia magna.

WORK BY:

*James W. Wetzel*  
James W. Wetzel  
Toxicology Associate

*10/14/96*  
Mo/Day/Year

APPROVED BY:

*Michelle R. Brown*  
Michelle R. Brown, B.A.  
Study Director

*10/14/96*  
Mo/Day/Year

DISTRIBUTION:

[REDACTED]