



FYI-96-001277

DuPont
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August 9, 1996

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VIA CERTIFIED MAIL
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(Attn: FYI Coordinator)
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

Dear FYI Coordinator:

**SODIUM TETRAPHENYLBORATE
CAS NUMBER 143-66-8**

This letter is to inform EPA of results from acute and chronic aquatic toxicity testing of sodium tetraphenylborate.

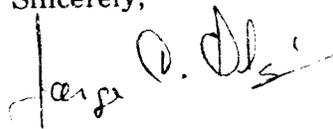
The acute testing was conducted on *Mysidopsis bahia* (opossum shrimp) and on *Menidia beryllina* (inland silverside). Both species were separately exposed to concentrations of 0, 2, 10, 20, 100, or 200 mg/L of the test compound and the 24-hour survival determined. The corresponding 24-hour survival for the *Mysidopsis bahia* was 100%, 60%, 30%, 45%, 20%, and 0%, resulting in a calculated 24-hour LC50 of 4.8mg/L with 95% confidence limits of 1.0-10.6 mg/L. In the case of the *Menidia beryllina* the corresponding 24-hour survival was 100%, 90%, 95%, 80%, 80%, and 90% indicating that the 24-hour LC50 is >200 mg/L.

The chronic toxicity test was conducted on the *Mysidopsis bahia*. This species was exposed to concentrations of 0, 0.3, 1.0, 4.0, 10, or 40 mg/L with the intent to determine the 7-day percent survival, growth, and fecundity. Within 24 hours of test initiation, there were no surviving organisms in the 40, 10, and 4 mg/L test concentrations and 23% in the

1 mg/L concentration. After 72 exposure hours, the remaining organisms in the 1 mg/L test concentration were dead. At test completion, 7 days, the survival at the lowest concentration was 13%, statistically significantly lower than the control which had a 94% survival. Because of mortality, growth and fecundity evaluations were not feasible.

The substance tested is the subject of research at DuPont. This information is provided to EPA as an FYI submission.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jorge C. Olguin". The signature is written in a cursive style with a long horizontal stroke at the end.

Jorge C. Olguin
Principal OH Consultant

Phone: 302/992-3826