4-14-81

Duplicate

DATA EVALUATION

1. CHEMICAL: Cypermethrin

2. FORMULATION: 91.5 % active ingredient (Technical material,) cis: trans ratio 48.8:42.7)

3. CITATION: Thompson, R.S. (1981) Investigation of the acute toxicity of PP383 to larvae of the Pacific oyster (Crassostrea gigas). Unpublished report by the Brixham Laboratory of Imperial Chemical Industries Ltd., submitted 12/28/81 by ICI Americas Inc., Wilmington, Delaware

   EPA Accession No. 070562

4. REVIEWED BY: Thomas B. Johnston
   Biologist, EEB/HED

5. REVIEW DATE: April 14, 1981

6. TEST TYPE: Embryo-larvae

7. REPORTED RESULTS: The reported 48-hr EC_{50} and LC_{50} of cypermethrin for pacific oyster larvae are both >2.27 ppm. Concentrations greater than that exceed the solubility of the test compound in seawater, even when the maximum amount of solvent is used.

8. REVIEWER'S CONCLUSIONS: This study is scientifically sound, and fulfills USEPA guideline requirements for an embryo-larvae toxicity test using a marine mollusc. With a 48-hr EC_{50} of >2.27 ppm, cypermethrin is no more than moderately toxic to pacific oyster embryos and larvae.

1/1 (D)