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U. S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDE
AND TOXIC SUBSTANCES

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MEMORANDUM

SUBJECT: Review of Early Life Stage Toxicity Test of Fentin Hydroxide (TPTH) using Sheepshead Minnows

FROM: Thomas M. Steeger, Ph.D., Senior Biologist *Thomas M Steeger 3/21/02*
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THROUGH: Betsy Behl, Chief *BBehl 3/21/02*
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TO: Loan Phan, PM Team Reviewer
Robert MaNally, Product Manager
Special Review and Re-registration Division (7505C)

Please find attached the Environmental Fate and Effects Division review of the early life stage toxicity test (Guideline 72-4) of fentin hydroxide (TPTH) using sheepshead minnows (*Cyprinodon variegatus*). Although the study (MRID 452760-01) is scientifically sound and is classified as supplemental, the study does not fulfill guideline testing requirements since it failed to establish a no-observed effect concentration (NOEC). Following 33-days of exposure to technical grade TPTH (97.5% active ingredient), sheepshead minnow length, dry weight, and wet weight were significantly reduced at all concentrations; the NOEC is less than 0.21 μg a.i./L (the lowest dose tested). Therefore, this study must be repeated.

If you have any questions or concerns regarding this review, please do not hesitate to contact me.



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