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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Review Guideline Study 72-3 for Acifluorfen-sodium
DP Barcode: 165549
ID No: 114402-007969

FROM: Douglas J. Urban, Acting Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C)

TO: Christine Rice, PM 52
Reregistration Branch
Special Review/Reregistration Branch (H7508W)

BACKGROUND

To comply with reregistration guidelines, BASF Corporation sent the following study:

72-3 Mollusc 96-hour flow through shell deposition

4. Study Identification: Dionne, Emily, Holohan, Marlene, T. Shepherd, Susan, P., and Atella, Michael D. Acifluorfen-sodium (BAS 9048 H) Acute Toxicity of Acifluorfen-sodium to Eastern Oysters (*Crassostrea virginica*)under flow through conditions. Study performed by Springborn Bionomics, Inc. 790 Main Street, Wareham, Massachusetts 02571 in March 1986 for BASF Corporation, 2505 Meridian Parkway, Durham, NC 27713. MRID No. 418912-07. SLI Report # 91-4-3736. DP Barcode 165549.

SPECIES	STUDY	EC_{50}	SATISFIES REQUIREMENTS
Eastern oyster	96hour shell shell deposition	> 100 ppm	No[1]

[1] The raw data is needed in order for a complete analysis to be performed on this study.

The reported results indicate that Acifluorfen-sodium (BAS 9048 H) with 43.9 % active ingredient is practically non-toxic to the Eastern oyster.

It is assumed that the tested substance is the formulated product, although this is not specifically stated by the study author. The testing of the formulated product, rather than technical, is acceptable for this compound (from EEB memo dated August 30, 1983).

EEB needs the raw data on mortality and shell deposition of oysters at all test concentrations in order to do a complete evaluation of this study.

If you have any questions, please contact Heather Mansfield (557-0064).