

US EPA ARCHIVE DOCUMENT

Shaughnessy No.: 121601

Date Out of EFGWB: SEP 15 1988

To: Robert Taylor
Product Manager #25
Fungicide-Herbicide Branch
Registration Division (TS-767C)

From: Emil Regelman, Supervisory Chemist
Review Section #2
Environmental Fate & Ground Water Branch
Environmental Fate & Effects Division (TS-769C)



Thru: Paul F. Schuda, Ph.D., Chief
Environmental Fate & Ground Water Branch
Environmental Fate & Effects Division (TS-769C)



Attached, please find the EFGWB review of...

Reg./File # : 524-GUI
Common Name: Acetochlor
Type Product : Herbicide
Product Name : Harness®, Top-Hand®.
Company Name : Monsanto Chemical Co.
Purpose : Review the risk portions of the acetochlor support document

Date Received: 8/15/88 Action Code(s): 160

Date Completed: 9/14/88 EFGWB #(s): 80967

Monitoring study requested: Total Reviewing Time: 0.5 day

Monitoring study voluntarily:

Deferrals to: Ecological Effects Branch/EFED
 Dietary Exposure Branch/HED
 Toxicology Branch-HFA Support/HED

1. CHEMICAL: Common name(s):

Acetochlor

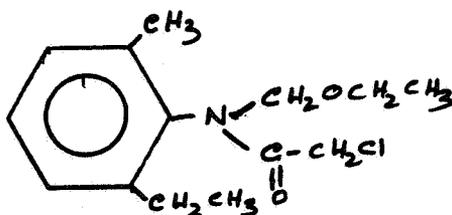
Chemical name:

2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)-acetamide

Other name(s):

Harness®, Top-Hand®.

Structure:



Formulations:

86.4% a.i., herbicide.

Physical/Chemical properties:

Molecular weight: 269

Form: liquid

B. P. : > 200°C

M. P. : > 0°C

Vapor Pressure: < 1 mm Hg

Hydrolysis Rate: Nondetectable at pH 5-9

Solubility : In water, 223 ppm; very soluble in ether, acetone, benzene, alcohol, chloroform, and ethylacetate.

Stability : Stable (first detectable heat evolution at 170°C)

2. TEST MATERIAL:

N/A.

3. STUDY/ACTION TYPE:

Review risk portion of the acetochlor support document (R.D.879) submitted by Monsanto Company 7/25/88.

4. STUDY IDENTIFICATION:

N/A.

5. REVIEWED BY:

Padma Datta, Ph.D.
Chemist
Review Section #2
EFGWB/EFED/OPP

Signature: PK Datta

Date: 9/14/88

6. APPROVED BY:

Emil Regelman
Supervisory Chemist
Review Section #2
EFGWB/EFED/OPP

Signature: E Regelman

Date: SEP 15 1988

7. CONCLUSIONS:

EFGWB does not review dietary, drinking water, or applicator exposure data nor exposure estimate methodologies. The Ground Water Team of EFGWB does not do risk management nor write the label language for ground water contamination.

8. RECOMMENDATION:

EFGWB recommends RD reroute this Acetochlor Support Document (R.D.879) to the appropriate branches of OPP for their review.

9. BACKGROUND:

On 7/25/88, Monsanto Chemical Co. submitted a complete Acetochlor Support Document (R.D. 879) which is an extensive outline of the rationale for registration of Harness® and Top-Hand® herbicides.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:

N/A.

11. COMPLETION OF ONE-LINER:

See attached one-liner sheet.

12. CBI APPENDIX:

Registrant identified portions of this Support document (R.D.879) as containing confidential information and they should be treated by the Agency as such.