

Shaughnessy No.: 125851

Date Out of EAB: JAN 29 1988

To: Richard Mountfort
Product Manager #23
Herbicide-Fungicide Branch
Registration Division (TS-767C)

From: Emil Regelman, Chief
Review Section #3
Exposure Assessment Branch
Hazard Evaluation Division (TS-769C)



Thru: Paul F. Schuda, Ph.D., Chief
Exposure Assessment Branch
Hazard Evaluation Division (TS-769C)



Attached, please find the EAB review of...

Reg./File # : 1471-RLT, 1471-RLD

Chemical Name: Isoxaben

Type Product : Herbicide

Product Name : EL-107, Prolan, Flexidor

Company Name : Elanco Products Company (Eli Lilly Research Laboratories)

Purpose : Application for registration.

Date Received: 3/13/87 Action Code(s): 126

Date Completed: 1/29/88 EAB #(s) : 70377-78

Monitoring study requested: Total EAB Reviewing Time: 1 day

Monitoring study voluntarily:

Deferrals to: Ecological Effects Branch

 Residue Chemistry Branch

 Toxicology Branch

1. CHEMICAL: Common name:

Isoxaben

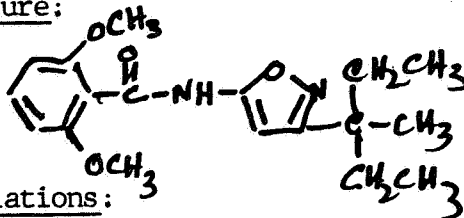
Chemical name:

N-[3-(methylpent-3-yl)isoxazol-5-yl]-
2,6-dimethoxybenzamide

Trade name(s):

EL-107, Prolan, Flexidor

Structure:



Formulations:

12.5 and 50% WP, 75% FlC

Physical/Chemical properties:

Molecular formula: C₁₈H₁₂N₂O₄
Physical state: White, crystalline solid
Melting point: 176-179°C
Solubility in water: 1.0-2.0 ppm

2. TEST MATERIAL:

N/A.

3. STUDY/ACTION TYPE:

Are the studies submitted for review on 10/28/86 included in the isoxaben Registration Standard?

4. STUDY IDENTIFICATION:

Studies submitted for review on 10/28/86, are:

Magnussen, J.D. and D.P. Rainey. 1987. Laboratory studies of ¹⁴C EL-107 accumulation in fish. Laboratory project identification ABC-0342, ABC-0354. Prepared and submitted by Eli Lilly and Company, Greenfield, IN. (40059509)

Rainey, D. P. The metabolism of [¹⁴C]EL-107 in soil: characterization of volatile radiolabeled degradation products. Experiment ABC-0226. Prepared and submitted by Eli Lilly and Company, Greenfield, IN. Reference 2. (00265370)

Rutherford, B.S., and O.D. Decker. 1986. Isoxaben soil/turf field dissipation study. Project ID No. AAC8521. Prepared and submitted by Eli Lilly and Company, Greenfield, IN. (40059508)

Saunders, D.G., J.W. Moran, and G.E. Babitt. 1986. Photolysis of isoxaben in aqueous solution. Prepared and submitted by Eli Lilly and Company, Greenfield, IN. (40097601 and 40059507)

Saunders, D.G., S.K. Smith, and J.W. Mosier. 1985. Mobility of EL-107 and a soil metabolite in soil. Report No. EWD8442. Prepared and submitted by Eli Lilly and Company, Greenfield, IN. Reference 1. (00265730)

5. REVIEWED BY:

P. Datta, Ph.D.
Chemist
Review Section #3
EAB/HED/OPP

Signature: 

Date: 1/29/88

6. APPROVED BY:

Emil Regelman
Supervisory Chemist
Review Section #3,
EAB/HED/OPP

Signature: 

Date: JAN 29 1988

7. CONCLUSIONS:

All studies submitted for review on 10/28/86 were reviewed in the isoxaben Registration Standard.

8. RECOMMENDATIONS:

N/A.