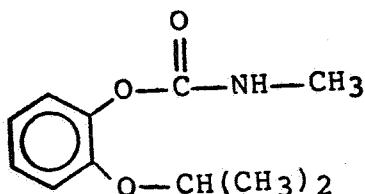


US EPA ARCHIVE DOCUMENT



047802

ENVIRONMENT ANCH
PESTICIDE ENVIRONMENTAL FATE ONE LINE SUMMARY

Page 1

Common Name: **PROPOXUR** Date: 11/02/89
 Chem. Name : 2-(1-METHYLETHOXY)-PHENOL METHYLCARBAMATE
 :
 Shaugh. # : 47802 CAS Number: 114-26-1
 Type Pest. : Insecticide
 Formulation: EC; WP; BAIT; DUST
 Uses : PARTICULARLY EFFECTIVE AGAINST INSECTS AFFECTING MAN AND
 : ANIMALS (COCKROACHES, FLIES) WHERE RAPID KNOCKDOWN AND
 : RESIDUAL PROPERTIES ARE IMPORTANT

Empir. Form: C₁₁H₁₅O₃N VP (Torr) 1.E-1
 Mol. Weight: 209.24 Log Kow : 1.56
 Solub. (ppm) 1750 @ 20 C Henry s :

Hydrolysis (161-1)	Photolysis (161-2; -3, -4)
pH 5:[#] STABLE	Air :[#] STABLE
pH 7 [#] STABLE	Soil .[#] 77 DAYS SdLm; ARTIF. SUN
pH 9:[#] 1.6 DAYS	Water [#] 9.8 DAYS IN SIMULATED SUN.
pH 8:[3] 16 DAYS	: [] WITH ACETONE AS SENSITIZER,
pH 10:[#] 0.17 DAY	: [] T1/2 = 0.7 DAY.
pH :[]	: []

MOBILITY STUDIES (163-1)

Soil Partition (Kd)	Rf Factors
1.[#] Kads = .05 (SdLm), .30 (SiLm),	1.[#] IN SEVERAL STUDIES, PROPOXUR
2.[] .27 (SiCl).	2.[] MOVED QUICKLY THROUGH THE
3.[]	3.[] SOIL PROFILES BELOW THE DEPTH
4.[]	4.[] SAMPLED.
5.[]	5.[]
6.[]	6.[]

METABOLISM STUDIES (162-1,2,3,4)

Aerobic Soil (162-1)	Anaerobic Soil (162-2)
1.[#] IN SiLm, 112 DAYS	1.[]
2.[]	2.[]
3.[#] IN SdLm, 180 DAYS	3.[]
4.[]	4.[]
5.[]	5.[]
6.[]	6.[]
7.[]	7.[]
Aerobic Aquatic (162-4)	Anaerobic Aquatic (162-3)
1.[]	1.[]
2.[]	2.[]
3.[]	3.[]
4.[]	4.[]

[*] - Acceptable Study. [#] = Supplemental Study

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VOLATILITY STUDIES (163-2,3)

- Laboratory:
- Field:

DISSIPATION STUDIES (164-1,2,3,5)

Terrestrial Field (164-1)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Aquatic (164-2)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Forestry (164-3)

- 1.
- 2.

Other (164-5)

- 1.
- 2.

ACCUMULATION STUDIES (165-1,2,3,4,5)

Confined Rotational Crops (165 1)

- 1.
- 2.

Field Rotational Crops (165 2)

- 1.
- 2.

Irrigated Crops (165-3)

- 1.
- 2.

Fish (165-4)

- 1.
- 2.

Non Target Organisms (165-5)

- 1.
- 2.

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GROUND WATER STUDIES (158.75)

1. []
2. []
3. []

DEGRADATION PRODUCTS

1. 4-N-METHYL-BENZAMIDO-2-ISOPROPOXYPHENOL
2. 6-" " " " "
3. 1-N-METHYLCARBAMIDO-2,2 DIISOPROPOXYBIPHENOLEE
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

COMMENTS

References: FARM CHEMICALS HANDBOOK; LIT. REVIEWS
Writer : J. HANNAN

[*] = Acceptable Study. [#] = Supplemental Study