



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: C<sub>11</sub>H<sub>15</sub>O<sub>3</sub>N 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,
pH10:[#] 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

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