

US EPA ARCHIVE DOCUMENT

## NEMAUR

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## 1. Photodegradation

rapidly  
 does <sup>1</sup> to sulfone and/or sulfoxide

## 2. Aerobic/anaerobic soil metab.

in 30d 5.27% applied remained as P, 66.37% as SO, 14.7% as SO<sub>2</sub>

old	ND	<del>40</del> 58.77%	16.27%
anaerobic 30d	22.2	56.2	9.5
61d	27.6	48.4	9.8

formerly acceptable, now unacceptable study

## 3. Leaching

slightly leaches 2.37% in leachate in 12 inch columns

65.17% in top 1 inch

## 4. Soil fate based on 19 unacceptable studies in which not

a single useful conclusion was drawn.

generally > 30d < 90d <sup>some</sup> ~~most~~ soils < 180d nearly all soils

NOTES in file not attached to review

1. Hydrolysis stable at 30°C pH 5-8; pH 9 T<sub>1/2</sub> = 14d

50°C pH 8 T<sub>1/2</sub> 19d pH 9 T<sub>1/2</sub> 4d

normally stable

2. aerobic soil

T<sub>1/2</sub> parent < 30d

3. anaerobic soil

ditto (< 30d) but longer than 2 above

4. Effects on microbes none significant

5. minor leaching - no problem

6. field T<sub>1/2</sub> < 6 mos mostly < 3 mos

7. F<sub>1</sub> ... no greater than 2X (whole body)