

US EPA ARCHIVE DOCUMENT

Environmental Fate & Effects Division
 PESTICIDE ENVIRONMENTAL FATE ONE LINE SUMMARY
NITROPHENOL
 [V] = Validated Study [S] = Supplemental Study [U] = USDA Data

Common Name: NITROPHENOL

Smiles Code:

PC Code # : 56301

CAS #:

Caswell #:

Chem. Name : 4-NITROPHENOL

P-NITROPHENOL

Action Type:

Trade Names:

(Formul'tn):

Physical State:

Use :
 Patterns :
 (% Usage) :
 :

Empirical Form:

Molecular Wgt.:

Melting Point :

Log Kow :

Henry's :

Vapor Pressure:

Boiling Point:

pKa:

Atm. M3/Mol (Measured)

E Torr

°C

@ °C

Solubility in ...

Water	E	ppm	@	°C
Acetone	E	ppm	@	°C
Acetonitrile	E	ppm	@	°C
Benzene	E	ppm	@	°C
Chloroform	E	ppm	@	°C
Ethanol	E	ppm	@	°C
Methanol	E	ppm	@	°C
Toluene	E	ppm	@	°C
Xylene	E	ppm	@	°C
	E	ppm	@	°C
	E	ppm	@	°C

Comments

Hydrolysis (161-1)

- [] pH 5.0:
- [] pH 7.0:
- [] pH 9.0:
- [] pH :
- [] pH :
- [] pH :

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Photolysis (161-2, -3, -4)

[] Water:
[] :
[] :
[] :

[] Soil :
[] Air :

Aerobic Soil Metabolism (162-1)

[]
[]
[]
[]
[]
[]
[]

Anaerobic Soil Metabolism (162-2)

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[]
[]
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[]
[]
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Anaerobic Aquatic Metabolism (162-3)

[]
[]
[]
[]
[]
[]
[]

Aerobic Aquatic Metabolism (162-4)

[]
[]
[]
[]
[]
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[]

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Soil Partition Coefficient (Kd) (163-1)

[]
[]
[]
[]
[]
[]

Soil Rf Factors (163-1)

[]
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[]
[]

Laboratory Volatility (163-2)

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[]

Field Volatility (163-3)

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[]

Terrestrial Field Dissipation (164-1)

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Aquatic Dissipation (164-2)

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[]
[]

Forestry Dissipation (164-3)

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[]

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Long-Term Soil Dissipation (164-5)

[]
[]

Accumulation in Rotational Crops, Confined (165-1)

[]
[]

Accumulation in Rotational Crops, Field (165-2)

[]
[]

Accumulation in Irrigated Crops (165-3)

[]
[]

Bioaccumulation in Fish (165-4)

[]
[]

Bioaccumulation in Non-Target Organisms (165-5)

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[]

Ground Water Monitoring, Prospective (166-1)

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[]

Ground Water Monitoring, Small Scale Retrospective (166-2)

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[]
[]
[]

Ground Water Monitoring, Large Scale Retrospective (166-3)

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[]
[]

Ground Water Monitoring, Miscellaneous Data (158.75)

[]
[]
[]

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Field Runoff (167-1)

- []
- []
- []
- []

Surface Water Monitoring (167-2)

- []
- []
- []
- []

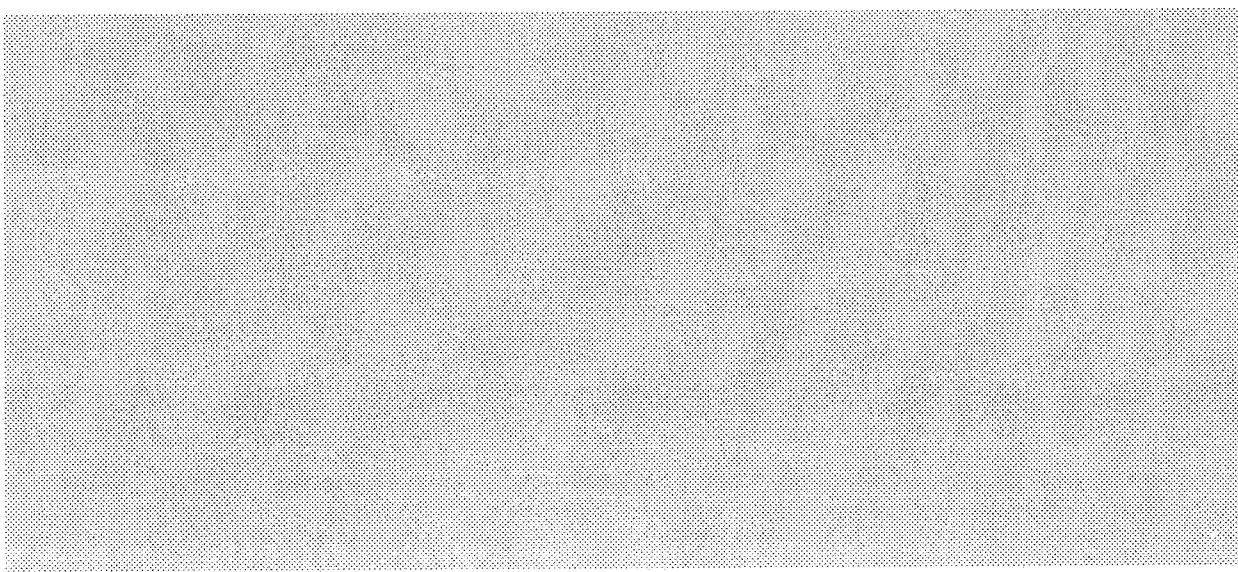
Spray Drift, Droplet Spectrum (201-1)

- []
- []
- []
- []

Spray Drift, Field Evaluation (202-1)

- []
- []
- []
- []

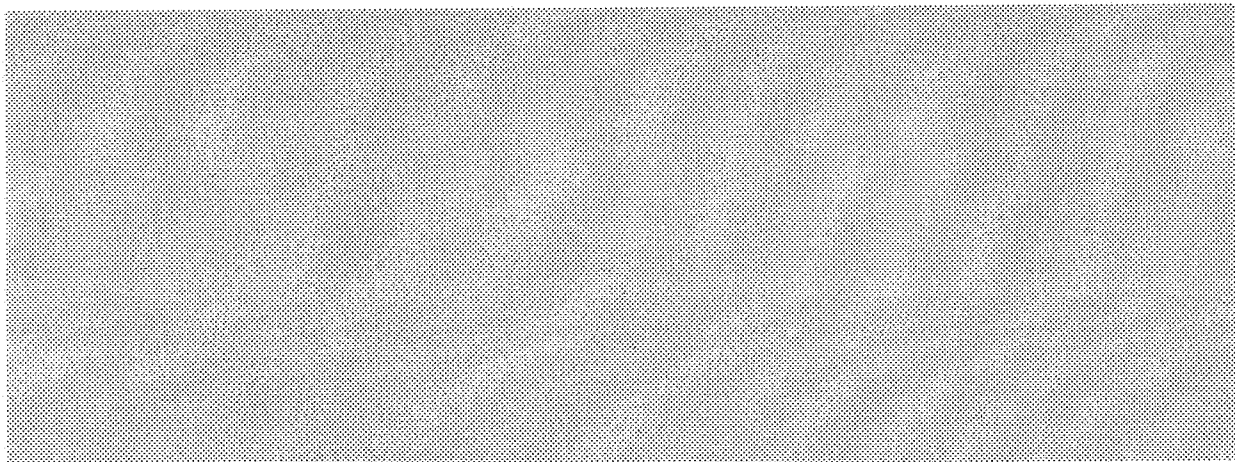
Degradation Products



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References:
Writer :