

Environmental Fate & Effects Division
PESTICIDE ENVIRONMENTAL FATE ONE LINE SUMMARY

DPX-L5300

Last Update on February 8, 1990

[V] = Validated Study [S] = Supplemental Study [U] = USDA Data

Common Name:DPX-L5300

Smiles Code:

PC Code # :128887

CAS #:101200-48-0

Caswell #:

Chem. Name :

Action Type:HERBICIDE

Trade Names:

(Formul'tn):

Physical State:

Use :
Patterns :
(% Usage) :
:

Empirical Form: $C_{15}H_{17}N_5O_6S$
Molecular Wgt.: 395.40

Vapor Pressure: E Torr

Melting Point : °C

Boiling Point: °C

Log Kow :

pKa: @ °C

Henry's : E Atm. M3/Mol (Measured)

Solubility in ...

Comments

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

Hydrolysis (161-1)

[] pH 5.0: <1 DAY
[] pH 7.0:3-6 DAYS
[] pH 9.0:32 DAYS (87-95% OF PARENT
[] pH : INTACT AFTER 32 DAYS)
[] pH :
[] pH :

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

[] Water:pH 9, STABLE FOR 716 HRS IN
[] :SUNLIGHT; DECLINED FROM 92%
[] :POSTTREAT. TO 82% IN THAT
[] :TIME.

[] Soil :pH 7.5, SiLm: STABLE
[] Air :

Aerobic Soil Metabolism (162-1)

[] SOIL pH T1/2
[] KEYPORT SiLm 4.3 < 3 DAYS
[] GARDENA SiLm 7.5 <12 DAYS
[] (BOTH APPL. AT 70 G AI/HA)
[]
[]
[]

Anaerobic Soil Metabolism (162-2)

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Anaerobic Aquatic Metabolism (162-3)

[] TRIAZ.-LABEL:2-3 DAYS IN SiLm/
[] SdLm/LmSd SEDIMENT
[] PHENYL LABEL: 11 DAYS IN Sd
[] SEDIMENT
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Aerobic Aquatic Metabolism (162-4)

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Soil Partition Coefficient (Kd) (163-1)

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Soil Rf Factors (163-1)

[] PARENT AND PHENYL MOIETY DEG-
[] RADATES WERE MOBILE IN ImSd,
[] SiLm, AND SiCl.
[] TRIAZ. LABELLED PARENT, TRIAZ
[] INE AMINE, AND OTHER DEGRA-
[] DATES SLIGHTLY MOBILE IN SiLm

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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Long-Term Soil Dissipation (164-5)

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[]

Accumulation in Rotational Crops, Confined (165-1)

[] PARENT NOT DETECTED IN ANY PLANT TISSUES AT A
[] DETECTION LIMIT OF < 1 PPB.

Accumulation in Rotational Crops, Field (165-2)

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Accumulation in Irrigated Crops (165-3)

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Bioaccumulation in Fish (165-4)

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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)

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Surface Water Monitoring (167-2)

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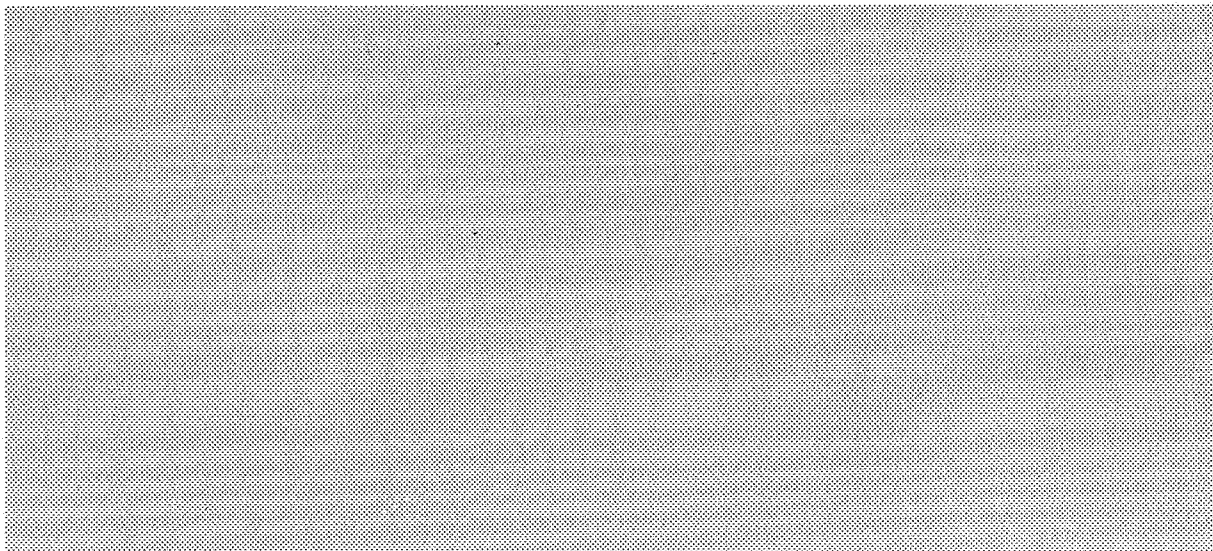
Spray Drift, Droplet Spectrum (201-1)

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Spray Drift, Field Evaluation (202-1)

[]
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Degradation Products

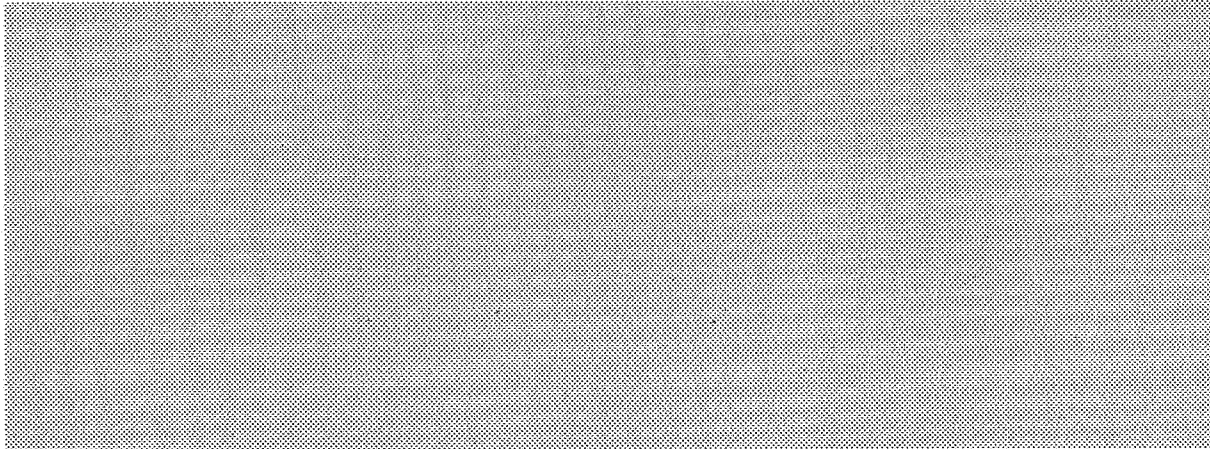


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Comments



References: EPA REVIEWS
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