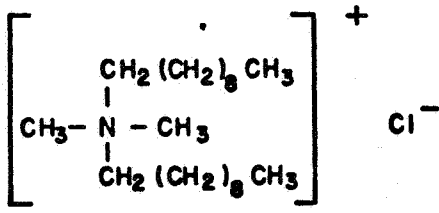


US EPA ARCHIVE DOCUMENT



Common Name: **DIDECYLDIMETHYL NH4CL** Date 09/26/89
 Chem. Name: **DIDEDYLDIMETHYL AMMONIUM CHLORIDE**
 Shaugh. # : 69149 CAS Number:
 Type Pest. : ALGAECIDE MICROBICIDE
 Formulation:
 Uses: SWIMMING POOLS, PAPER MILLS COOLING TOWERS

Empir. Form: $\text{C}_{22}\text{H}_{48}\text{NCl}$ VP (Torr):
 Mol. Weight: 362.06 Log Kow
 Solub. (ppm) VERY SOLUBLE @ C Henry's :

Hydrolysis (161 1) Photolysis (161-2, -3, 4)
 pH 5:[] Air :[]
 pH 7:[] Soil :[]
 pH 9 [] Water:[#] >3 WEEKS
 pH :[] :[]
 pH :[] :[]
 pH :[] :[]

MOBILITY STUDIES (163-1)

Soil Partition (Kd)	Rf Factors
1. []	1. []
2. []	2. []
3. []	3. []
4. []	4. []
5. []	5. []
6. []	6. []

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

Aerobic Soil (162-1)	Anaerobic Soil (162-2)
1.[#] 95 DAYS (AS MEASURED BY CO2	1. []
2. [] EVOLUTION)	2. []
3. []	3. []
4. []	4. []
5. []	5. []
6. []	6. []
7. []	7. []

Aerobic Aquatic (162-4)	Anaerobic Aquatic (162-3)
1.[#] 5 >25 DAYS IN RIVER WATER	1. []
2. []	2. []
3. []	3. []
4. []	4. []

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

Common Name: **DIDECYLDIMETHYL NH4CL**

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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.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

COMMENTS

DIDECYL DIMETHYL AMMONIUM CHLORIDE DEGRADES QUICKLY IN COOLING TOWERS (DECREASING FROM 36 TO 0.7 PPM IN 14 HOURS).

References
Writer :

EPA REVIEWS
J. HANNAN

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

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