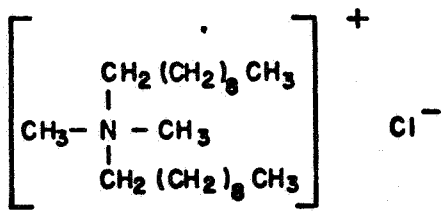

ENVIRO NCH
PESTICIDE ENVIRONMENTAL FATE ONE LINE SUMMARY

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: $C_{22}H_{48}NCl$ VP (Torr):
Mol. Weight: 362.06 Log Kow
Solub. (ppm) VERY SOLUBLE @ C Henry's :

Hydrolysis (161 1)
pH 5:[ ]
pH 7:[ ]
pH 9 [ ]
pH :[ ]
pH :[ ]
pH :[ ]

Photolysis (161-2, -3, 4)
Air :[ ]
Soil :[ ]
Water:[#] >3 WEEKS
:[ ]
:[ ]
:[ ]

MOBILITY STUDIES (163-1)

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

Rf Factors
1.[ ]
2.[ ]
3.[ ]
4.[ ]
5.[ ]
6.[ ]

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

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

Anaerobic Soil (162-2)
1.[ ]
2.[ ]
3.[ ]
4.[ ]
5.[ ]
6.[ ]
7.[ ]

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

Anaerobic Aquatic (162-3)
1.[ ]
2.[ ]
3.[ ]
4.[ ]

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

Common Name: **DIDECYLDIMETHYL NH4CL** Date 09/26/89

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.[ ]

Common Name: **DIDECYLDIMETHYL NH4CL** Date: 09/26/89

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 EPA REVIEWS
Writer : J. HANNAN

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