

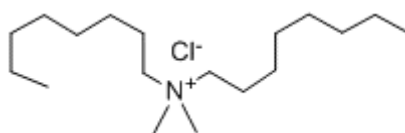
Dietyl Dimethyl Ammonium Chloride (D0821)

CAS No. 5538-94-3

Molecular Formula: $C_{18}H_{40}ClN$

Molecular Weight: 305.97

Structural Formula:



Properties:

Dietyl dimethyl ammonium chloride is composed of twin chain dimethyl ammonium chloride. The dioctyl dimethyl structure provides a controlled foam biocide, exhibiting low, fast breaking foam with exceptional dynamic controlled foam performance. When used as an active ingredient in FIFRA1 registered formulations such as hard surface disinfectants, sanitizers and/or certain types of water treatment formulations, these products have been found to provide superior biotical action against a broad spectrum of microbial organisms such as: bacteria, fungi, viruses, and algae. This “third” generation quaternary ammonium compound delivers potent germicidal action in hard water and organic soil loads.

Specification:

Items	Index	
Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Active content, %	48-52	78-82
PH(10% water solution)	5.0-9.0	5.0-9.0

Free amine, %	2.0max	2.0max
Color (APHA)	200max	200max

Usage:

Dioctyl dimethyl ammonium chloride is a quaternary ammonium based antimicrobial used as a bacteriostat, disinfectant and (or) a micro biocide. It is ideal for recirculation water systems where control of undesirable microbes without excessive foam is essential. It is mainly used as following fields:

1. Used as fungicide of injection water of oilfield and industrial circulating cooling water.
2. Used as disinfectant, fungicide and wood preservative agents.
3. Used as moKR-proofing agents of textile.
4. It can be used compounding with CLO₂ when handling hard surface to killing bacteria.

Package and Storage:

200L plastic drum,IBC(1000L),customers' requirement. Storage for one year in shady room and dry place.

Safety Protection:

A little smell of almond, no visible stimulation to skin. When contacted, flush with water.

Synonyms:

[dioctyl dimethyl ammonium chloride](#)

[dimethyldioctylammonium chloride](#)

[bisioctyl dimethyl ammonium chloride](#)

[1-octanaminium, n,n-dimethyl-n-octyl-, chloride](#)

[n,n-dimethyl-n,n-dioctylammonium chloride](#)

[dioctyl dimethyl ammonium chloride--dodac](#)

[Bardac LF /Bardac LF-80](#)

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