

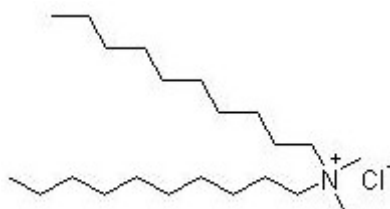
Didecyl Dimethyl Ammonium Chloride (D1021)

CAS: 7173-51-5

Molecular formula: $C_{22}H_{48}ClN$

Molecular weight: 362

Structure:



Properties:

[Didecyl dimethyl ammonium chloride](#) is a cationic surfactant of dialkyldimethyl quaternary ammonium compounds. It is easily soluble in water and organic solvent. It is light yellow liquid under home temperature, and its chemical character is stable and low irritating.

[Didecyl dimethyl ammonium chloride](#) has broad spectrum of activity against both gram positive and gram negative bacteria. It can be used as fungicide and mildewcide, and active against enveloped viruses. It has high tolerance to hard water.

[Didecyl dimethyl ammonium chloride](#) maintains efficacy in presence of heavy organic soiling such as blood and protein. Good surfactant and wetting properties and it is worldwide acceptance based on registrations approval and official lists.

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, %	2.0 max	2.0 max
Color (APHA)	150 max	150 max

Usage:

[Didecyl dimethyl ammonium chloride](#) is the third generation of quaternary ammonium compounds, and it is better than the first and second generation products on ability of killing microorganism. 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 moth-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:

[N,N-Didecyl-N,N-dimethylammonium chloride](#)

[1-Decanaminium,N-decyl-N,N-dimethyl-,chloride](#)

[aliquat203](#)

[bardac22](#)

[bio-dac50-22](#)

[btc1010](#)

[ddac\(didecyldimethylammoniumchloride\)](#)

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