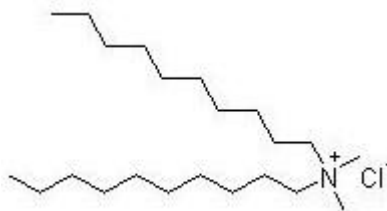


Didecyl Dimethyl Ammonium Chloride (DDAC)

CAS No.	7173-51-5	EINECS No.	230-525-2
Molecular Formula	C ₂₂ H ₄₈ ClN	Molecular Weight	362

Structural Formula



Product Features

Didecyl dimethyl ammonium chloride(DDAC) is a cationic surfactant of dialkydimethyl 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(DDAC) 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(DDAC) 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.

Technical Specification

Parameter	Standard	
	Liquid	Liquid
Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Active content, %	48-52	78-82
Free amine, %	2.0 max	2.0 max
pH (10% water solution)	5.0-9.0	5.0-9.0
Color APHA	150 max	150 max

Applications & Usage

Didecyl dimethyl ammonium chloride(DDAC) is the third generation of quaternary ammonium compounds, and it is better than the first and second generation products on ability of killing microorganism.



Didecyl dimethyl ammonium chloride(DDAC) 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 & Storage

25L Drum	200L Drum	1000L IBC
		
Storage for ten months in shady room and dry place.		

Hazard & Safety Precaution

Hazard Information	Safety Precaution
 Corrosive and Toxic, Class 8(6.1) , UN2922	
Once contacted with eye and skin, flush with plenty of clean water..	

Alternative Name / Synonyms

- DDAC
- N,N-Didecyl-N,N-dimethylammonium chloride
- 1-Decanaminium,N-decyl-N,N-dimethyl-,chloride
- alquat203
- bardac22



ZAOZHUANG KAIRUI WATER TREATMENT CO., LTD.

- bio-dac50-22
- btc1010
- ddac(didecyldimethylammoniumchloride)