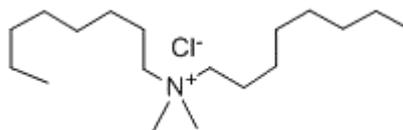


Diocetyl Dimethyl Ammonium Chloride (D0821)

CAS No.	5538-94-3	EINECS No.	226-901-0
Molecular Formula	C ₁₈ H ₄₀ ClN	Molecular Weight	305.97

Structural Formula



Product Features

Diocetyl 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.

Technical Specification

Parameter	Standard	
	I	II
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	200 max	200 max

Applications & Usage

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

Diocetyl dimethyl ammonium chloride 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 & 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

- dioctyl dimethyl ammonium chloride
- dimethyldioctylammonium chloride
- bisoctyl 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



ZAOZHUANG KAIRUI WATER TREATMENT CO., LTD.