

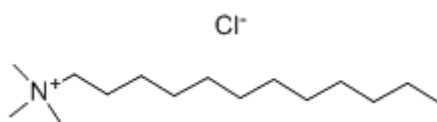
Dodecyl Trimethyl Ammonium Chloride (DTAC)

CAS No. 112-00-5

Molecular Formula: $C_{12}H_{25}(CH_3)_3NCl$

Molecular weight: 263.9

Structural Formula:



Properties:

[Dodecyl Trimethyl Ammonium Chloride](#) is colorless liquid to white crystalline powder, is soluble in water and ethanol. It is stable below 100°C and has good compatibility with cationic, nonionic surfactants. It has good chemical stability, heat resistance, light resistance, pressure resistance, resistance to acid and alkali, and it also has excellent properties of permeability, softness, emulsification, anti electrostatic and bactericidal.

Specification:

Items	Index	
Appearance	Colorless to pale yellow liquid	Colorless to pale yellow liquid
Active content, %	28-32	48-52
Free amine, %	1.5 max	1.5 max
pH(10% water solution)	5.0-9.0	5.0-9.0
Color (APHA)	150max	150max

Usage:

[Dodecyl Trimethyl Ammonium Chloride](#) can be used as a emulsifier to produce architectural waterproof coating, conditioner emulsifier, cosmetic emulsifier; cationic chloroprene latex special emulsifier. When drilling oil deep well, it is used as a emulsifier at high temperature resistance situation, and it can also be used as protein aggregation in the process of penicillin fermentation agents. It is an antistatic agent for the production of synthetic fiber, anti adhesive agent and release agent of latex industry, industrial and agricultural use of fungicides.

Package and Storage:

200L plastic drum, IBC(1000L),customers' requirement.

Storage for two years in shady room and dry place.

Safety Protection:

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

Synonyms:

[1231](#)

[1-Dodecanaminium, N,N,N-trimethyl-,chloride](#)

[n,n,n-trimethyl-1-dodecanaminiu chloride](#)

[Dodecyltrimethylammonium chloride](#)

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