

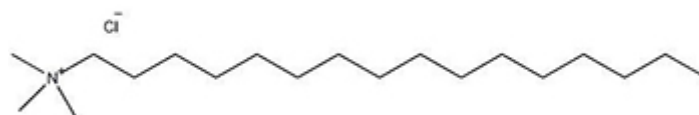
# Hexadecyl Trimethyl Ammonium Chloride (HTAC)

CAS No. 112-02-7

Molecular Formula:  $C_{19}H_{42}ClN$

Molecular weight: 320

Structural Formula:



## Properties:

[Hexadecyl Trimethyl Ammonium Chloride](#) is a cationic surfactant, soluble in water, methanol, and ethanol. It is mainly used as softener and hair conditioner. It also can be used as softener in waterproof coatings, natural fiber, synthetic fiber, and glass fiber. It has good compatibility with cationic, nonionic and amphoteric surfactants.

[Hexadecyl Trimethyl Ammonium Chloride](#) 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 cream or solid
Active content, %	48-52	68-72

PH (10% water solution)	4.0-9.0	4.0-9.0
Free amine, %	1.5 max	2.0 max
Color (APHA)	150max	150max

## Usage:

1. For shampoo, hair care products, architectural coatings, fabric softener, etc.
2. In the petroleum, papermaking, food processing fields, used as bactericidal in cycling cooling water treatment.
- 3.Used as emulsifying silicone oil, hair conditioner emulsifier, fiber softener and antistatic agent, can be used to soften and isolate the paper, corrosion inhibitor in the pickling industry
4. Used as a washing adjustment agent (hair rinse agent) and hair conditioner.

## 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:

[1631](#)

[N-Hexadecyl Trimethyl Ammonium Chloride](#)

[Trimethyl Hexadecyl Ammonium Chloride](#)

[Trimethyl-1-Hexadecane Ammonium Chloride](#)

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

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## **Contact Us**

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