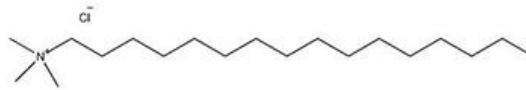


Hexadecyl Trimethyl Ammonium Chloride (HTAC/CTAC)

CAS No.	112-02-7	EINECS No.	203-928-6
Molecular Formula	C ₁₉ H ₄₂ ClN	Molecular Weight	320

Structural Formula



Product Features

Hexadecyl Trimethyl Ammonium Chloride (HTAC/CTAC) is a cationic surfactant, soluble in water, methanol, and ethanol. It is mainly be 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 (HTAC/CTAC) 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.

Technical Specification

meter	Standard	
	I	II
Appearance	Colorless to pale yellow liquid	Colorless to pale yellow cream or solid
Active content, %	48-52	68-72
Free amine, %	1.5 max	2.0 max
pH (10% water solution)	4.0-9.0	4.0-9.0
Color APHA (Hazen)	150 max	150 max

Applications & 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 & 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, Class 8, UN 1760	
A little smell of almond, no visible stimulation to skin. When contacted, flush with water.	

Alternative Name / Synonyms

- 1631
- N-Hexadecyl Trimethyl Ammonium Chloride
- Trimethyl Hexadecyl Ammonium Chloride
- Trimethyl-1-Hexadecane Ammonium Chloride
- 1-Hexadecanaminium,N,N,N-trimethyl-,chloride