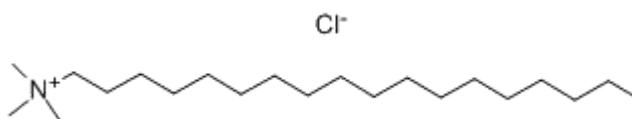


Octadecyl Trimethyl Ammonium Chloride (OTAC)

| | | | |
|--------------------------|-------------------------------------|-------------------------|-----------|
| CAS No. | 112-03-8 | EINECS No. | 203-929-1 |
| Molecular Formula | C ₂₁ H ₄₆ NCl | Molecular Weight | 348.05 |

Structural Formula



Product Features

Octadecyl Trimethyl Ammonium Chloride(OTAC) is soluble in water, ethanol and methanol. It has good compatibility with cationic, nonionic and amphoteric surfactants.

Octadecyl Trimethyl Ammonium Chloride(OTAC) 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 liquid |
| 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 |

Applications & Usage

1. Used as a fabric softener.
2. Used as raw materials of asphalt emulsion and hair conditioner.
3. Control additives: synthetic fiber antistatic agent, plant fiber softener.
4. Modified additives: organic bentonite modifier.
5. Flocculant: Bio pharmaceutical industry protein coagulant, flocculant for wastewater treatment.
6. Used as antistatic agents of textile fiber, hair adjustment agent, emulsifier of asphalt, silicone oil and rubber.

7. Used as bacteria of cycling cooling water and disinfectant.

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 |
|---|--|
|  <p>Corrosive and Toxic, Class 8(6.1) , UN2922</p> |  |
| Once contacted with eye and skin, flush with plenty of clean water.. | |

Alternative Name / Synonyms

- 1831
- Octadecyl Trimethyl Ammonium Chloride
- STAC
- Stearyl Trimethyl Ammonium Chloride
- TrimethylStearylAmmonium Chloride
- 1-octadecanaminium,n,n,n-trimethyl-,chloride