

## Cetrimonium Chloride

### Specification Sheet

**Description:** Liquid quaternary cationic conditioner.

**CAS:** 112-02-7, 7732-18-5

**INCI Name:** Cetrimonium chloride, water

**Composition:** Cetrimonium chloride, water

**Appearance:** Colorless to light yellow liquid, alcohol-like odor

**pH Value:** 3.5-6.0 (5% solution)

**Benefits:**

- Excellent conditioner with anti-static, anti-frizz & detangling properties
- Has good emulsifying properties able to mix oil and water
- Especially effective for softening coarse hair
- Has mild anti-microbial properties
- Excellent compatibility with non-ionic and cationic surfactants and most polar solvents

**Use:** Use level 0.5-4%, add to water phase. For external use only.

**Applications:** Hair conditioners, hair shampoos, hair rinses, anti-frizz products.

**Solubility:** Water-soluble

**Preservation:** Preservative-free

**Storage:** Store light-protected at a cool and dry place

**Country of Origin:** USA

**Raw material source:** N-hexadecylamine and methyl chloride

**Manufacture:** Cetrimonium chloride is produced by reacting n-hexadecylamine with methyl chloride in the presence of sodium hydroxide.



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**Animal Testing:** Not animal tested

**GMO:** GMO-free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components

**HS Code:** 3402120000

**Proposition 65:** WARNING: This product can expose you to chemicals including residual methyl chloride and methanol, which are known to the State of California to cause cancer or reproductive toxicity. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Shipping Information:** This item ships HazMat. The transport of HazMat ingredients is strictly regulated by the DOT (Dept. of Transportation) and IATA (International Air Transport Association). Both domestic and international shipping requires special packaging, labeling, and documentation. Additional surcharges may apply when ordering larger quantities. At this time HazMat items will be shipped via UPS Ground only within the US (excluding Alaska and Hawaii). International shipping is prohibited.