

# Behentrimonium

## Specification Sheet

**Description:** Cationic quaternary ammonium compound (docosyltrimethylammonium chloride) made from colza oil (canola oil) with potent conditioning effect. Whole Foods Premium Body Care approved. Activity: 79-81% active substances.

**CAS:** 17301-53-0, 64-17-5

**INCI Name:** Behentrimonium Chloride, Ethyl Alcohol

**Composition:** Behentrimonium Chloride, Ethyl Alcohol, Water

**Appearance:** White to off-white flakes, alcohol-like odor.

**Benefits:**

- Potent conditioner with antistatic & detangling properties.
- Able to restore & rebuild damaged hair (due to colza oil it does not coat but penetrates & substantiates the hair shaft).
- Especially effective for softening coarse hair.
- Has some antimicrobial properties.

**Use:** Use level 0.5-3 %, add pellets to warm water or oil (85°C) to melt, avoid overheating. For external use only.

**Applications:** Hair conditioners, hair shampoos, hair rinses.

**Solubility:** Soluble in hot water or oil (85°C/185°F)

**Preservation:** Preservative-free

**Storage:** Store in a closed container at a dry place at room temperature.

**Country of Origin:** Korea

**Raw material source:** Colza oil (canola oil)

**Manufacture:** Behentrimonium chloride is produced from fatty acids obtained from colza oil (canola oil) and further "quaternized" by alkylation of tertiary amines to obtain a quaternary ammonium compound.



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**Animal Testing:** Not animal tested.

**GMO:** GMO-free

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

**HS Code:** 3402120000