

# Cetyl Alcohol

## Specification Sheet

**Description:** All-purpose thickening alcohol (1-hexadecanol, hexadecyl or palmityl alcohol), derived from vegetable oils, > 95%, composed of fatty alcohols. White flakes, no or faint odor. Soluble in diethyl ether & acetone, slightly soluble in alcohol. Insoluble in cold water. Partially solubility in hot water (1.34x10<sup>-5</sup> g/l).

**CAS:** 36653-82-4

**INCI Name:** Cetyl alcohol

**Benefits:**

- Non-gelling thickener and viscosity enhancer (also in water-free products like lipsticks)
- Has co-emulsifying properties if concentration is higher than 5 %
- Has mild emollient and moisturizing properties
- Can boost foam when together with surfactants

**Use:** Add to hot oil phase to melt for proper use (54°C/129°F), usual concentration 0.5-6%. For external use only.

**Applications:** Lotions, creams, hair shampoos, hair conditioners, body washes, makeup products.

**Country of Origin:** USA

**Raw material source:** Palm kernel oil (RSPO certified)

**Manufacture:** Cetyl alcohol is made by catalytic hydrogenation of the triglycerides obtained from palm kernel oil and followed by oxidation of a chain growth product of ethylene oligomerized on a triethylaluminum catalyst.

**Animal Testing:** Not animal tested

**GMO:** Not tested for GMOs

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