

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 (1.34×10^{-5} 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 ($54^{\circ}\text{C}/129^{\circ}\text{F}$), 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: Vegetable oils

Manufacture: Cetyl alcohol is made by catalytic hydrogenation of the triglycerides obtained from vegetable oils 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