



Sustainable biomass derived

UpSycal®BA17

100% Natural, Upcycled & Bio-based

TARGET APPLICATIONS

Skin-care color cosmetics Hair-care Low viscosity lubricants

About UpSycal®BA17

UpSycal-BA17 is a branched hydrocarbon oil comprised of 100% biobased and upcycled carbon, sourced from agricultural waste materials/non-edible feedstock, and is manufactured with Green Chemistry principles. This **squalane-like structured** product line can be viewed as a **biobased alternative to silicone compounds, petroleum-derived hydrocarbons and esters** allowing the **formulation of more natural, sustainable, stable, and label-friendly cosmetic and low viscosity lubricant products** with all the aesthetics, safety, and performance consumers demand.

UpSycal®BA17 key specifications

- CAS of key ingredient: 193072-77-4
- Color index: 0 (ASTM D1209)
- Density: 0.7895 g/mL at 60°F (ASTM D4052)
- Flash point: 121 ±13 °C
- Boiling point: 288 ±12 °C (ASTM D1120, ASTM D6352)
- Viscosity (20 °C): 5.79 – 6.1 cSt (ASTM D445)
- Viscosity (40 °C): 3.42 cSt (ASTM D445)
- Freezing point: <-40 °C (ASTM S2386)
- Iodine number: <0.3 g/100 g(USP-NF-2022, issue 1)
- HRIPT test: Non-primary irritants, non-primary sensitizers, hypoallergenic

UpSycal®BA17 vs competitive products

