UpSyCal® BA14 E

UpSyCal® BA14 E branched hydrocarbon silicone alternative is derived from nonedible biomass feedstocks. It is an excellent emollient and can be used in many personal care applications. BA14 E is compliant with clean beauty standards including Walmart, Target, Sephora, and Ulta[1].

UpSyCal® BA14 E silicone alternative is a lightweight, fast-drying emollient and solvent in skin care and cosmetic products. It improves the spreadability of creams and hair products; imparts a smooth, nongreasy finish; and enhances ingredient solubility.

INCI Name	Pentylnonane
CAS #	959262-45-4
EC#	188-360-6

Appearance	Nonviscous, clear, colorless liquid
Color Index	<0.5
Flash Point, °C	86
Boiling Point, °C	259
Viscosity (20 °C), cSt	3.784
Viscosity (40 °C), cSt	2.370
Refractive Index	1.4333
Shelf Life	3 Years

Featured Formulations

- Finishing Spray for Fine Hair
- Transfer Resistant Foundation

HRIPT Test: Non-primary irritant, non-primary sensitizer, hypoallergenic
Natural derived index 0.60 (ISO 16128)

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[1] The Good Face Project

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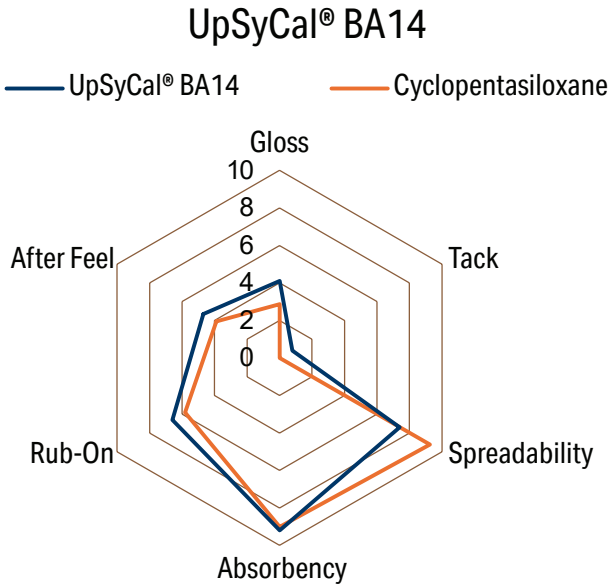
UpSyCal® BA14 E silicone alternative is suited for lightweight applications. This squalane-like structured product has compatible volatility and sensory profiles to be used as a replacement for cyclic silicones and mineral oils in the formulation of body lotions and facial, hair care, skin care and color cosmetic products. The unique and innovative architecture of the product provides a performance-parity to cyclopentasiloxane (D5)—although volatility is slightly lower than that of D5.



Formulation Advantages

- Cold-processed, minimum mixing energy, fast
- Nongreasy after-feel
- No extended high-shear mixing necessary
- Pigment wettability
- Compatible aesthetic profile

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