

AAK

■ Emollients – Texturizing oleogels

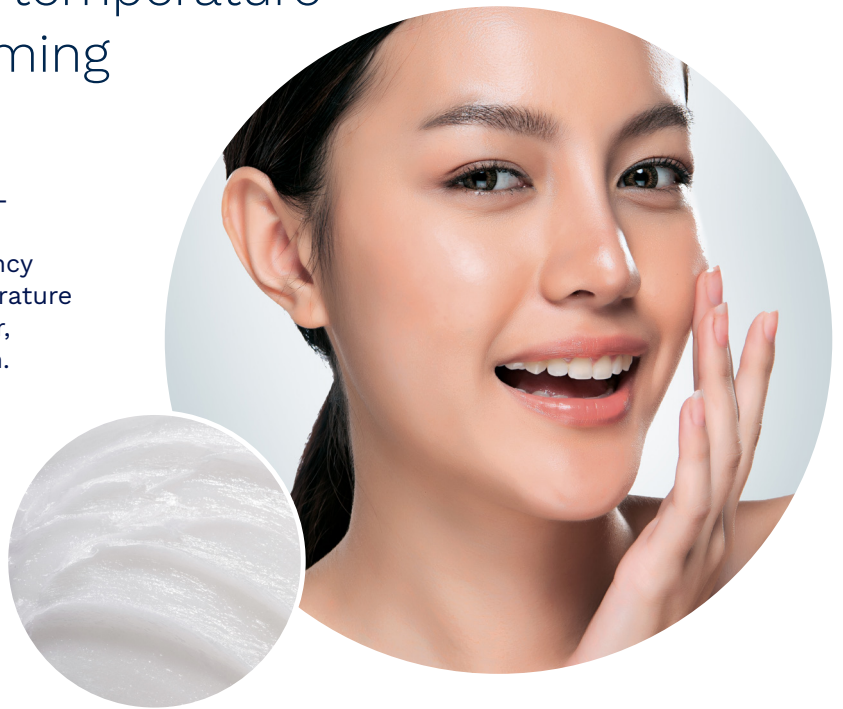
INCI NAME: HYDROGENATED VEGETABLE OIL

Akogel™

This highly oxidative-stable, semi-solid emollient is a natural alternative to petrolatum, offering a soft pick-up in the jar, good temperature stability, and a film-forming effect on the skin.

Akogel is a highly oxidative-stable, 100% plant-based semi-solid emollient rich in traceable soybean. It has a similar texture and consistency to petrolatum across the room-to-skin temperature range (20–40 °C), with a soft pick-up in the jar, and medium cushion and playtime on the skin. The flat melting profile ensures there are no significant consistency changes across the specified temperature range.

It is especially suitable for anhydrous butters, balms, and applications where a film-forming effect is desired, like diaper cremes. Akogel is also ideal for hair care, particularly styling products, where it provides smooth glide.



Recommended applications: skin care, makeup, and hair styling products

Appearance: off-white semi-solid paste

Slip melting point: 39 °C

Drop point: 43 °C

Solid fat content at 35 °C: 9%

Oxidative stability index: >180 hours at 110 °C

Certifications, standards, and approvals:

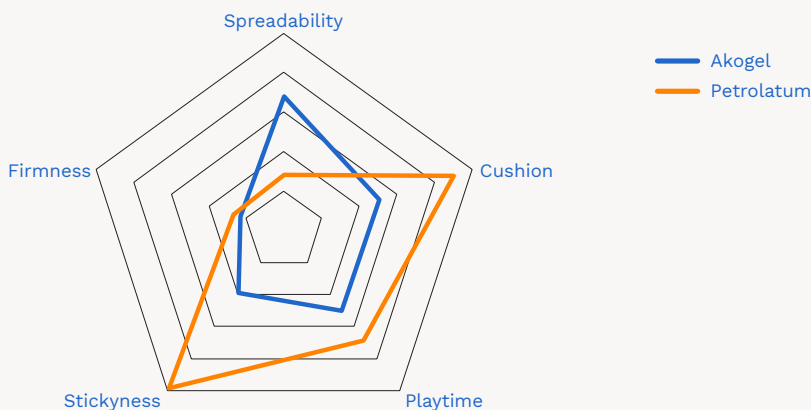
NATRUE, COSMOS, Halal, Kosher, Vegan-friendly, China Compliant

Oxidative stable
Petrolatum alternative
Temperature stable
Soft
Pliable
Film-forming

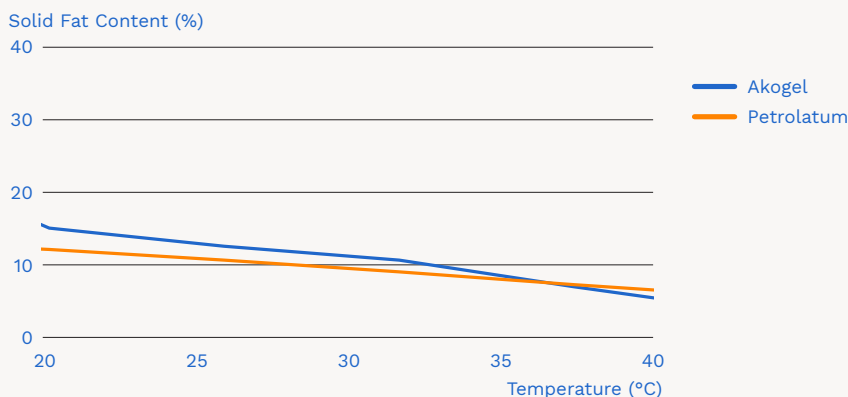
Key features and benefits:

- Akogel is a 100% plant based, semi-solid emollient, rich in traceable soybean oil.
- The saturated character gives exceptionally good oxidative stability, providing long shelf-life without the need for added antioxidants.
- The neutral color and odor ensure Akogel does not influence the fragrance or appearance of the final product.
- Like petrolatum, Akogel feels soft and pliable when picked up from the jar. The flat melting curve indicates that it does not undergo significant consistency changes across the 20-40 °C temperature range, from the jar to the skin.
- It feels rich on the skin, with a medium cushion and playtime. It is more spreadable and less sticky than petrolatum, which makes it easier and more pleasant to apply homogeneously. The more comfortable and less heavy skin feel makes it more suitable for daily use, particularly in hot and humid weather conditions.

Sensory profile of Akogel and Petrolatum during application



Solid Fat content (%) based on method NMR 26-40



Formulation suggestions:

**Natural Glow Eco
Conscious Face Polish**
AAK-16-251

Typical use concentrations:

10 – 90% anhydrous butters
1 – 15% skin care
0.5 – 4% hair care
1 – 15% in lip care

Recommended AAK partner products:

- LIPEX® PreAct™
- Akocare Coconut Oil™
- LIPEX® 205
- LIPEX® SheaSolve™
- LIPEX® SheaTris™
- Akofine R™