

NEOSSANCE™ SQUALANE



Reliably Supplied and Highly Pure.
Sustainably Sourced and Plant-Derived.



Squalane, one of the best emollients on the market occurs naturally in the lipidic layers of the skin and prevents moisture loss while restoring the skin's suppleness and flexibility. Its exceptional moisturizing properties and ability to penetrate the skin have long made squalane a favorite amongst cosmetics and personal care formulators. Historically, squalane has been primarily sourced either from highly controversial shark liver or from olive oil. While olive oil is a more eco-friendly source than shark liver, it is subject to price volatility and limited availability, due to its dual use as a food product.

Because of these availability issues, formulators have increasingly omitted squalane from their formulations until now. Via its industrial biotechnology platform, Amyris has developed a unique process that enables the reliable and sustainable production of 100% plant-derived pure squalane: **Neossance™ Squalane**. This high performance, GMO-free emollient is derived from botanical sugars at a scale capable of meeting the world's demand.

Neossance Squalane is highly moisturizing and fast-absorbing while providing a silky, smooth and luxurious touch. Ideal for elegant face products and emulsions, as well as body lotions and moisturizers, Neossance Squalane leaves the skin feeling soft and smooth without a greasy, heavy after-feel.

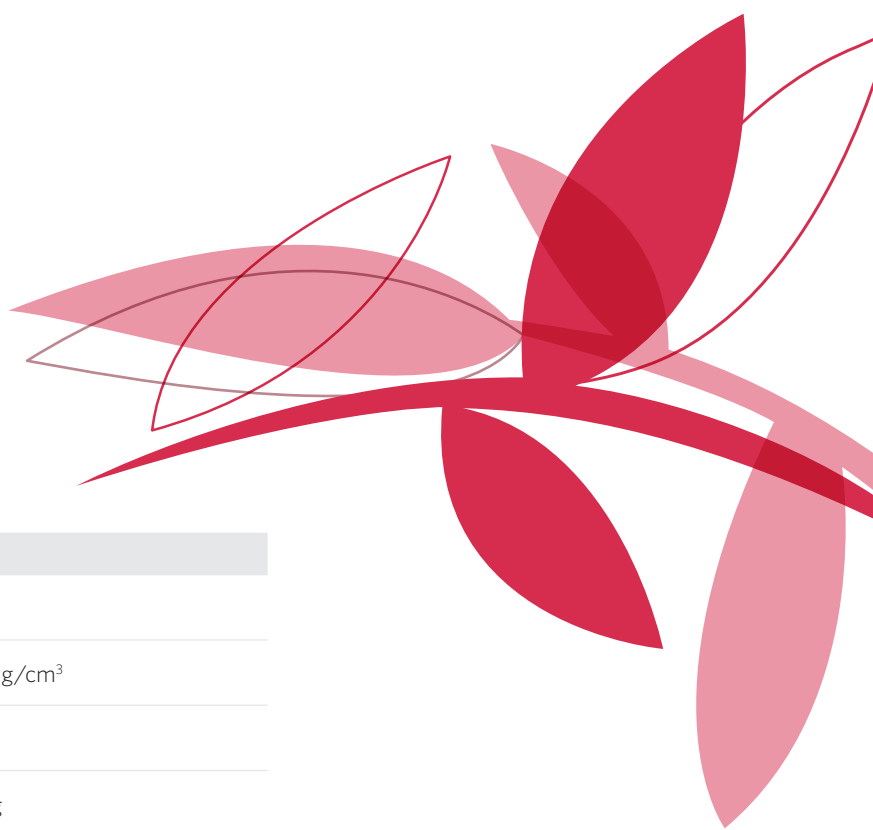
CERTIFICATIONS

- ECOCERT-approved, in accordance with the Natural and Organic Cosmetics standards
- USDA Certified Bio-Based Product



CORE BENEFITS

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|-----------------|-----------------|------------------|----------------|-----------------------|--|
| Reliable Supply | Price Stability | Superior Texture | 100% Bio-based | Readily Biodegradable | Complete Traceability to Sustainable Raw Materials |
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NEOSSANCE SQUALANE TYPICAL PROPERTIES

| PROPERTIES | VALUES |
|--------------------------|---------------------------------|
| Purity (by GC) | 92% |
| Density at 20°C | 0.806 — 0.811 g/cm ³ |
| Refractive index at 20°C | 1.449 — 1.453 |
| Iodine Value | 2.0 mg I ₂ /100g |
| Acid Value | 0.5 mg KOH/g |
| Odor | Nearly odorless |
| Appearance and Color | Colorless liquid |

COSMETIC APPLICATIONS

Face, body and hair care, Moisturizing creams, Cleansing lotions, Sunscreens, Lipsticks / Lip glosses, Makeup primers, Foundations, Tinted moisturizers, etc.

INCI NAME

Squalane

ABOUT AMYRIS

Founded in 2003 and based in Emeryville, CA, Amyris is focused on providing sustainable alternatives to a broad range of chemicals & fuels. Amyris's No Compromise® products assure customers that reducing environmental impact will not require trade-offs in performance, price or availability. At the heart of the Amyris advantage is a proprietary technology platform which enables a performance-driven innovation philosophy. Through this platform Amyris converts botanical sugars into a variety of hydrocarbon molecules — flexible building blocks that can be used in a variety of markets, including cosmetics, flavors and fragrances, polymers, consumer products, renewable fuels and lubricants. www.amyris.com



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