

Squalane Light

Specification Sheet

Description: 100% plant-based emollient (synonym: hemisqualane) derived from plant sugars (sugar cane) that is a perfect alternative for petroleum-based paraffins and silicone ingredients. It has a great sensorial profile providing unique qualities providing a very light and dry feel. Density 0.76, viscosity 3cps.

CAS: 3891-98-3, 1174522-45-2

INCI Name: C13-15 Alkane

Composition: C13-15 Alkane

Appearance: Light yellowish liquid, plain odor

Benefits:

- NPA certified (The Natural Seal)
- Creates elegant and light textures with a non-tacky, non-greasy and silky finish.
- High spread-ability.
- Can be used as dispersing agent for crystalline UV filters like titanium dioxide or zinc oxide
- Facilitates a smooth and even application for lipsticks and foundations

Use: Add to the oil phase of formulas, typical use level 1-60%. For external use only.

Applications: All kinds of skin care products, hair conditioners, lip balms, lip sticks, makeup.

Solubility: Soluble in vegetable oils, mineral oils, cosmetic solvents, insoluble in water, slightly soluble in alcohol.

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: USA and Brazil

Raw material source: Plant sugar (sugarcane)

Manufacture: Similar to squalane, squalane-light (or hemisqualane) is produced by fermentation of sugarcane using the non-pathogenic yeast *Saccharomyces Cerevisiae*. This fermentation results in farnesene. After

removing the yeast, farnesene is then further dimerized and hydrogenated to the oily hydrocarbon hemisqualane. The molecule has half the length of squalane (only 13-15 carbons as compared to 30 carbons of squalane).

Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 1515908002