

# Squalane

## Specification Sheet

**Description:** 100% plant-based emollient derived from plant sugars (sugar cane). Squalane occurs naturally in the lipidic layers of the skin and prevents moisture loss while restoring the skin's suppleness and flexibility. Squalane is highly resistant to oxidation and has a high affinity to skin cells due to its skin-identical structure. EcoCert-certified, 100% bio-based. Clear liquid, imperceptible odor. Soluble in vegetable oils, mineral oils, cosmetic solvents, insoluble in water & alcohol.

**CAS:** 11-01-3

**INCI Name:** Squalane

**Composition:** Squalane

**Appearance:** Clear liquid, imperceptible odor

**Benefits:**

- Highly moisturizing emollient that has high resistance to oxidation and high affinity to skin and its natural lipids.
- Excellent skin-penetrating qualities.
- Medium spreading qualities.
- Non irritating, non-allergenic, hypo-comedogenic.
- Delivers CBD (cannabidiol) better and faster to receptors in the skin than comparable emollients such as CCT, sunflower oil, hemp seed oil, jojoba oil.

**Use:** Can be added to the oil phase of formulas, typical use level 1-10%. For external use only.

**Applications:** Skin creams, lotions, hair care, massage oils, makeup products and lip care.

**Solubility:** Soluble in vegetable oils, mineral oils, cosmetic solvents, insoluble in water & alcohol.

**Preservation:** Preservative-free

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

**Country of Origin:** USA

**Raw material source:** Plant sugar (sugarcane)

**Manufacture:** Squalane 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 squalane (chemical formula C<sub>30</sub>H<sub>62</sub>).

**Animal Testing:** Not animal tested

**GMO:** No data available

**Vegan:** Does not contain animal-derived components

**HS Code:** 1515908002