

Vitamin C in Silicone (20% L-ascorbic acid)

Specification Sheet

Description: Active form of vitamin C stabilized in an elastomer dispersion. Contains 20% pure L-ascorbic acid providing all the antioxidant and anti-aging benefits in an easy to use blend. pH 4.5-5. Off-white to light tan gel texture. Not soluble in water.

CAS: 541-02-6, 50-81-7, 63394-02-5, 156065-02-0, 29383-26-4, 29710-25-6

INCI Name: Cyclopentasiloxane, l-ascorbic acid, polysilicone-11, ethylhexyl hydroxystearate

Benefits:

- Potent antioxidant (shown to be able to protect skin from oxidative damages)
- Can improve appearance of aged and fragile skin
- Widely used as add-on ingredient in skin-lightening products to correct hyperpigmentation and age spots
- Antioxidant effect can be increased by combining L-ascorbic acid with L-ascorbyl palmitate and/or vitamin E

Use: Can be used as (applied directly to skin) or added to cosmetic formulations (e.g. emulsions). Usual final concentration 0.5-100 %. For external use only.

Applications: Serums, lotions, sun care & after sun products, sticks & makeup.

Country of Origin: USA

Raw material source: Glucose (sugar)

Manufacture: L-ascorbic acid is produced synthetically in a multi-step process where D-glucose is hydrogenized to D-sorbitol and then oxidized to L-sorbose. Sorbose is then processed to 2-keto-L-gluconic acid and further to L-ascorbic acid through a fermentation process. L-ascorbic acid is then dissolved and stabilized in an elastomer dispersion consisting of cyclopentasiloxane, polysilicone-11, and ethylhexyl hydroxystearate.

Animal Testing: Not animal tested

GMO: GMO free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components