

## Vitamin C (3-glyceryl ascorbate)

### Specification Sheet

**Description:** Novel, stabilized vitamin C derivative produced by binding vitamin C (ascorbic acid) to glycerin.

**CAS:** 1120360-11-3, 7732-18-5, 56-81-5

**INCI Name:** 3-glyceryl ascorbate, glycerin, water

**Composition:** 3-glyceryl ascorbate, glycerin, water

**Appearance:** Clear yellowish liquid

**Benefits:**

- Has enhanced moisturizing and antioxidant properties when compared with l-ascorbic acid
- 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 glyceryl ascorbate with vitamin E

**Use:** Add to water phase of formula. Typical use level 1-10%. For external use only. Ideal pH environment 3-5. Do not apply directly to skin.

**Applications:** Skin toners, transparent gel-serums, lotions, creams, sun care & after sun products.

**Solubility:** Water-soluble

**Preservation:** Preservative-free

**Storage:** Keep it away from heat and direct sunlight. Store in tightly closed container. Recommended storage temperature is below 41°F (5°C)

**Country of Origin:** Japan

**Raw material source:** L-ascorbic acid and glycerin

**Manufacture:** 3-glyceryl ascorbate is made synthetically by attaching glycerin to ascorbic acid (vitamin C).

**Animal Testing:** Not animal tested



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**GMO:** GMO-free

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

**HS Code:** 2936270000