

Titanium Dioxide in Oil, Liquid (Non-Nano)

Specification Sheet

Description: Non-nano-sized titanium dioxide dispersed in oily emollients for easy formulating at a concentration of 60-70%

CAS: 13463-67-7, 68411-27-8, 21645-51-2, 2724-58-5, 58128-22-6, 1314-13-2

INCI Name: Titanium dioxide, C12-15 Alkyl Benzoate, Aluminium Hydroxide, Isostearic acid, Polyhydroxystearic Acid, Zinc Oxide

Composition: Titanium dioxide, C12-15 Alkyl Benzoate, Aluminium Hydroxide, Isostearic acid, Polyhydroxystearic Acid, Zinc Oxide

Appearance: White oily, opaque liquid

Benefits:

- Reflect sunlight (UVB rays)
- Provides great emollient properties
- Synergistic effect when combined with other sunscreens
- Can be used in creams and lotions but also lip balms where sun protection is needed
- Has minimal whitening on skin despite the large, non-nano particle size thanks to a new dispersion technology

Use: Add to oil phase of formulas. Typical use level is 1-30%. Shake or stir dispersion before use. For external use only.

Applications: Sun care products, makeup products with or without sun protection, lip care products.

Solubility: Oil-soluble

Preservation: Preservative-free

Storage: Keep upright in original container. Keep container tightly closed and in a dry and well-ventilated place.

Country of Origin: United Kingdom

Raw material source: Ilmenite

Manufacture: Titanium dioxide is made from the mineral ilmenite and sulfuric acid to produce synthetic rutile which consists then of more than 90% of titanium dioxide. Titanium dioxide is then dissolved in a blend of oily emollients including C12-15 alkyl benzoate and polyhydroxystearic acid.

Animal Testing: Not animal tested

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

Vegan: Does not contain animal-derived components

HS Code: 2823000000

Regulatory Information: Sunscreens are registered as API (Active Pharmaceutical Ingredient) or OTC-drug with the FDA. This means that, if you want to sell products containing a sunscreen, your facility must be registered with the FDA and operate under cGMP guidelines. Further information about the FDA regulation of sunscreens can be found in our resource section. If used as colorant, Titanium dioxide is a FDA-approved color additive but is exempt from batch certification. It is safe for use in coloring cosmetics generally, including cosmetics applied to the area of the eye, in amounts consistent with good manufacturing practice.