

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%. White oily liquid. Oil-soluble.

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

INCI Name: Titanium dioxide, C12-15 alkyl benzoate, polyhydroxystearic acid, aluminium hydroxide, zinc oxide, isostearic acid

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.

Country of Origin: USA

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

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.