

Titanium Dioxide

Specification Sheet

Description: White pigment of crystalline structure with a high refractive index & great inertness able to reflect & scatter light. Derived from the naturally occurring mineral ilmenite. Synonyms: cosmetic white, rutile, brookite, tipaque, zopaque, titanic anhydride. Primary particle size 200-250 nm, purity >99%

CAS: 13463-67-7

INCI Name: Titanium dioxide (CI 77891)

Composition: Titanium dioxide (CI 77891)

Appearance: White powder, characteristic odor

Benefits:

- Reflects sunlight (UVB rays)
- Widely used in makeup powders to lighten shades

Use: Can be added to formulas as is, recommended concentration 2-25 %. For external use only.

Applications: Sun care products, color cosmetics with or without sun protection.

Solubility: Suspends in water or oil (but is insoluble)

Preservation: Preservative-free

Storage: Store light-protected at a cool and dry place

Country of Origin: Canada

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.

Animal Testing: Not animal tested

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

Vegan: Does not contain animal-derived components

HS Code: 2823000000

Proposition 65: WARNING: This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer or reproductive toxicity. For more information, go to www.P65Warnings.ca.gov

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.