

Titanium Dioxide

FACT SHEET

Description: White pigment of crystalline structure with a high refractive index & great inertness able to reflect & scatter light, primary particle size 200-250 nm, derived from the naturally occurring mineral ilmenite, purity >98%, pH 7.3-8.3 (10% concentr.). White powder, odorless. Gives white suspension in water or oil (but is insoluble). Synonyms: cosmetic white, rutile, brookite, tipaque, zopaque, titanic anhydride. CAS# 13463-67-7. , characteristic odor. Solubility: dispersible in oils but not in water. CAS# 13463-67-7, 61693-08-1, 3069-40-7, 110019-03-5.

INCI Name: Titanium dioxide.

Properties: Excellent absorber of sun rays (UV-A & UV- B rays) provides long-term UV-protection, water resistant.

Use: Can be added to formulas as is, recommended concentration 2-25 % (the higher the concentration, the higher the sun protection factor).

Applications: Sun care products, makeup products.