

## Titanium Dioxide Micronized

### FACT SHEET

**Description:** Micronized white pigment of crystalline structure with a high refractive index & great inertness able to reflect & scatter light, primary particle size 10-20 nm, derived from the naturally occurring mineral ilmenite, purity >98%, contains alumina & simethicone, pH 7.3-8.3 (10% concentration). Ultrafine, fluffy white powder, odorless. Insoluble but dispersible in water, oils & triglycerides. Synonyms: cosmetic white, rutile, brookite, tipaque, zopaque, titanic anhydride. CAS# 13463-67-7.

**INCI Name:** Titanium dioxide.

**Properties:** Top grade sunscreen for broad spectrum UV protection (improved UV-A potential), no white film on the skin as non-micronized titanium dioxide.

**Use:** Can be added to formulas as is, recommended concentration is 2-15% (6% concentration corresponds to a SPF of about 12-19).

**Applications:** Sun care products, makeup products.