

technical datasheet

105373 Eusolex® T-2000

Inorganic UV Filter

INCI Titanium Dioxide* [for EU: Titanium Dioxide (nano)], Alumina, Simethicone

***USAN** Titanium Dioxide
(United States
Adopted Name)

Chemical Description

CAS No.

Chem. Formula

Titanium dioxide

13463-67-7

TiO₂

Aluminium oxide

1344-28-1

Al₂O₃

Simethicone

8050-81-5

(C₂H₆OSi)_n · (SiO₂)_m

TiO₂ modification Rutile

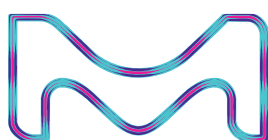
Appearance White powder

Odor Odorless

Storage Tightly closed. Dry.

Shelf life Minimum 3 years

Function UV filter of mineral origin



Applications	Sun care and sunscreens (OTC), specially for sensitive skin and children Skin care, facial care, dermocosmetics Decoratives, foundations, make-up
Max. Use level	According to local UV filter regulations. In EU and US up to 25 % TiO ₂
SPF contribution	Approx. 2/%
Formulation Aspects	Preferably dispersible in the oil phase (cosmetic oils and silicones), but dispersion in aqueous phase is possible too. For best UV performance and transparency on skin it is essential to ensure a high dispersion quality in the phases (pre-dispersion) and in the emulsion finally. This can be achieved by appropriate high-speed stirrers (dissolver blade) and homogenizers.
Key Properties / Claims	Broad-spectrum UVB/UVA filter First defense against blue light/HEV and IR radiation Highly synergistic on SPF with organic UV filters Shows high transparency on skin
Date of issue	December 2020
Notes	For further information, see Specification, Safety Data Sheet and RonaProfile (Cosmetic Ingredient Dossier)

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