

# 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

TiO<sub>2</sub>

Aluminium oxide

1344-28-1

Al<sub>2</sub>O<sub>3</sub>

Simethicone

8050-81-5

(C<sub>2</sub>H<sub>6</sub>OSi)<sub>n</sub> · (SiO<sub>2</sub>)<sub>m</sub>

**TiO<sub>2</sub> modification** Rutile

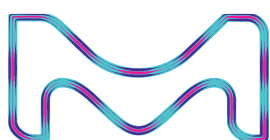
**Appearance** White powder

**Odor** Odorless

**Storage** Tightly closed. Dry.

**Shelf life** Minimum 3 years

**Function** UV filter of mineral origin



<b>Applications</b>	Sun care and sunscreens (OTC), specially for sensitive skin and children Skin care, facial care, dermocosmetics Decoratives, foundations, make-up
<b>Max. Use level</b>	According to local UV filter regulations. In EU and US up to 25 % TiO <sub>2</sub>
<b>SPF contribution</b>	Approx. 2/%
<b>Formulation Aspects</b>	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.
<b>Key Properties / Claims</b>	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
<b>Date of issue</b>	December 2020
<b>Notes</b>	For further information, see Specification, Safety Data Sheet and RonaProfile (Cosmetic Ingredient Dossier)

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**Rona**