

# Technical Data Sheet

## Technisches Datenblatt

### Eusolex® T-AVO

(Microfine titanium dioxide)

**Article No.** 105335

**INCI NAME** Titanium Dioxide\*, Silica

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

Chem. description	CAS-No.	EINECS-No.	Chem. Formula
Titanium dioxide	13463-67-7	236-675-5	TiO <sub>2</sub>
Silica	7631-86-9	231-545-4	SiO <sub>2</sub>
Water	7732-18-5	231-791-2	H <sub>2</sub> O
TiO <sub>2</sub> modification	Rutile		

**SPECIFICATION** see specification sheet

**STANDARD PACKAGING** 10 kg cardboard box with PE-liner

**STORAGE** Keep dry, preserve in tight containers

**STABILITY** Min. 24 months

**SHIPPING/HANDLING** No special requirements.  
S 22 Do not breathe dust.

**REGISTRATION STATUS**

EU: According to the Cosmetics Regulation (EC) No 1223/2009, the active ingredient TiO<sub>2</sub> in Eusolex® T-AVO is permitted as UV-filter (Annex VI, reference no. 27) in a maximum concentration of 25%.

USA: TiO<sub>2</sub> Category I, Sunscreen Drug Products for Over-The-Counter Human Use; Final Monograph; May 21, 1999. Maximum authorized concentration: 2 - 25 % \*\*

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\*\* According to the OTC Final Monograph on Sunscreens the following changes with regard to concentrations are planned:

1. The minimum limits will be completely cancelled and only the maximum limits for UV filters are valid in future.
2. The concentration of each active ingredient must be sufficient to contribute to a minimum SPF of not less than 2 to the finished product. The finished product must have a minimum SPF of not less than the number of sunscreen active ingredients used in the combination multiplied by 2.

**The date for the OTC Final Monograph to come into effect has still not been published.**

Japan: UV scattering agents like  $\text{TiO}_2$  are not regulated according to the New Cosmetic Standards, enacted by April 1<sup>st</sup>, 2001 by the Ministry of Health and Welfare (MHW).

$\text{TiO}_2$  coated with substances that meet the Cosmetic Standards are permitted for use in cosmetics, e.g. in sunscreens.

Eusolex<sup>®</sup> T-AVO can be used for cosmetic applications under the responsibility of the cosmetic manufacturer.

**DATE: APRIL 2011**

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