Technical Data Sheet
Ref: LU01
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Luxscreen® TR 14 AF 50

Chemical Composition:

Component	Legislation
Titanium Dioxide	CAS No. 13463-67-7 EINECS No. 236-675-5 JCID-VIII-65, JSCI-II-438
Hydrogenated Polydecene	CAS No. 68037-01-4 EINECS No. 500-183-1 JSCI (502029)
Styrene/Acrylates Copolymer	CAS No. 9010-92-08 JSQI

INCI Name: Titanium Dioxide (and) Hydrogenated Polydecene (and) Styrene/Acrylates Copolymer

Technical Information:

Appearance	White gel
Odour	Characteristic
Composite shape	Spherical
Mean crystal size of TiO_2	Approx. 14 nm
Density (20°C)	1,10 – 1,40 g/cm^3
Viscosity (20°C) (Lamy Tve-05 – Spindle: MS-BV 1000 – Speed: 200 rpm)	4,0 – 10,0 Pas
Solubility	Insoluble in water
Shelf life	Minimum 3 years

Description: Luxscreen® is a range of UV-dispersions based on photostable lipids and mineral UV-filters encapsulated in a polymer structure. The Luxscreen® dispersions are developed based on excluding volume technology (EVT). In the products the Titanium Dioxide or Zinc Oxide has been combined with the polymer to create a composite material. By combining the mineral UV-filters with a material, which has significantly lower density than the mineral UV-filters by themselves, the density of the mineral UV-filters can be lowered, and more stable dispersions can be made.

Before using this material see the MSDS.
This technical information is offered as a guide not a guarantee.

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