

## TIXOGEL-FTN

Fully activated rheology additive based on organophilic phyllosilicate for oil and solvent phases in personal care applications.

### Product data

#### Composition

Gel of organophilic phyllosilicate (INCI: C12-15 Alkyl Benzoate, Stearalkonium Bentonite, Propylene Carbonate)

Vegan

#### Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Viscosity (25 °C, 0.5 rpm): 1,300,000–2,100,000 mPa·s

Total viable count: max. 100 cfu/g

Color: green

Delivery form: gel

#### Storage and transportation

TIXOGEL-FTN should be transported and stored dry in unopened original packaging at temperatures between 0 °C and 30 °C.

### Applications




#### Personal care

##### Special features and benefits

TIXOGEL-FTN is an easy-to-use, fully activated mastergel consisting of stearalkonium bentonite dispersed in C12-15 alkyl benzoate. Stearalkonium bentonite is an organically modified bentonite (organophilic phyllosilicate) of non-animal origin for use in cosmetic products.

The additive provides thixotropic flow behavior and enhanced skin-feel in a variety of solvent-based cosmetic formulations. TIXOGEL-FTN leads to a non-greasy, pleasant skin feeling and shows conditioning properties. It is also ideal for stabilizing pigments.

**Recommended use**

Creams and lotions	
Sunscreen products	
Antiperspirants/deos	
Liquid makeup	
Skin cleansing products	
Hair styling products	

 especially recommended    recommended

**Recommended levels**

3–10 % additive (as supplied) based on the total formulation, when used in emulsions.

5–20 % additive (as supplied) based on the total formulation, when used in wax-based systems.

The final amount of TIXOGEL-FTN used depends on the desired thickening and stabilization in the formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

TIXOGEL-FTN can be easily incorporated at almost any stage of the manufacturing process with medium shear. For an optimal dispersion, the additive is mixed and homogenized with a portion of the most compatible organic component or solvent of the formulation before other ingredients are added.

**Special note**

TIXOGEL-FTN is a fully activated mastergel. It does not require further activation.



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This issue replaces all previous versions.