

## TIXOGEL-VSP

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: Cyclopentasiloxane, Cyclohexasiloxane, Quaternium-90 Bentonite, Propylene Carbonate.)

Vegan

#### Typical properties

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

Non-volatile matter (24 h, 105 °C):	18.0–22.0 %
Viscosity (25 °C, 0.5 rpm):	1,000,000–3,000,000 mPa·s
Total viable count:	max. 100 cfu/g
Color:	pale green
Delivery form:	gel

#### Storage and transportation

TIXOGEL-VSP 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-VSP is an easy-to-use, fully activated mastergel consisting of quaternium-90 bentonite dispersed in cyclopentasiloxane and cyclohexasiloxane. Quaternium-90 bentonite is an organically modified bentonite (organophilic phyllosilicate) of non-animal origin for use in cosmetic products.

The additive provides thixotropic flow behavior in a variety of solvent-based cosmetic formulations. It is characterized by excellent spreadability, improved gloss and enhanced skin feel in the formulations. Additionally, it is used for thickening and stabilizing emulsions and for pigment suspension in color cosmetics.

## Recommended use

Creams and lotions	<input checked="" type="checkbox"/>
Sunscreen products	<input checked="" type="checkbox"/>
Antiperspirants/deos	<input checked="" type="checkbox"/>
Hair styling products	<input checked="" type="checkbox"/>
Liquid makeup	<input checked="" type="checkbox"/>

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-VSP 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-VSP 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-VSP is a fully activated mastergel. It does not require further activation. The additive is not suitable for rinse-off products.



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contact

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This issue replaces all previous versions.