

TIXOGEL-RCM

Fully activated rheology additive based on a castor oil derivative for oil and solvent phases in personal care applications.

Product data

Composition

Gel of castor oil derivative (INCI: Cyclopentasiloxane, Cyclohexasiloxane, Trihydroxystearin)

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): 12.0–15.0 %
 Total viable count: max. 100 cfu/g
 Color: white
 Delivery form: gel

Storage and transportation

TIXOGEL-RCM 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-RCM is a fully activated mastergel consisting of cyclopentasiloxane and cyclohexasiloxane thickened with trihydroxystearin.

The additive provides thixotropic flow behavior in a variety of solvent-based cosmetic formulations. TIXOGEL-RCM is especially recommended for the development of highly textured and highly viscous formulations.

Recommended use

Creams and lotions	■
Sunscreen products	■
Antiperspirants/deos	■
Liquid makeup	■

■ 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-RCM 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-RCM can be incorporated with medium shear at a temperature range of 35 °C to 65 °C.

For an optimal dispersion, TIXOGEL-RCM is heated, mixed, and homogenized with a portion of the most compatible organic component or solvent before other ingredients are added.

Special note

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



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This issue replaces all previous versions.