

## CLiQFLOW® LP

Rheological Additive

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**CLiQFLOW LP** is an organically modified bentonite clay-based rheological additive. The organoclay requires a high shear activation process and is recommended for low- to medium- polar non-aqueous systems used, for example, in the adhesives, coatings, or ink industry.

**CLiQFLOW LP** provides a controlled shear-thinning flow behaviour to non-aqueous formulations. It improves storage stability, like anti-settling behaviour and provides an excellent sag resistance.

**CLiQFLOW LP** requires high activation shear-forces and is typically processed through a pre-gel preparation stage.

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### Typical values:

Appearance:	creme-beige powder
Moisture:	< 3%
Density:	ca 1.7 g/cm <sup>3</sup>

### Level of Use / Incorporation:

**CLiQFLOW LP** is best incorporated using a pre-gel intermediate. A concentration of 10% by weight and the use a polar activator is recommended, for example:

- ethanol / water (9:1), 30 wt% on o´clay
- methanol / water (9:1), 30 wt% on o´clay
- acetone / water (9:1), 60 wt% on o´clay
- propylene carbonate, 30 wt% on o´clay

For a low pre-gel viscosity, it is suggested to use CLiQSPERSE® CA as activator.

The required loading level depends strongly on the nature of the system and performance required. A starting level of 0.2 – 0.5% is recommended.

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**CLiQFLOW LP** should be stored in a cool dry place. The minimum shelf life is 48 months when stored in unopened original packages.

For information on health and safety information, please consult the Material Safety Data Sheet.

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This information is based to best of our knowledge and on test results obtained in our laboratory. It is given in good faith and should only regard as recommendations. No warranty is given, and it is advised to all users to evaluate the products carefully for their intended use. Please also consider all further information, labels, and especially the safety data sheet! For further questions, technical service, and samples, please feel free to contact us.

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