

**CLiQFLOW 707** is a hydrogenated castor oil based thixotropic additive for solvent-free and non-to low-polar solvent based systems. It imparts a strongly shear thinning flow behaviour with excellent sag resistance and good flow and levelling. Anti-settling properties and workability are also improved with the organic thixotrope.

**CLiQFLOW 707** is used in general industrial and heavy-duty non-aqueous paints but also in adhesives, sealants and unsaturated polyester putties to improve the application performance of either system. If required **CLiQFLOW 707** provides a false-body to the material to improve storage stability or workability. The hydrogenated castor oil technology is also used in powder coatings to improve flow, levelling and degassing during application.

**CLiQFLOW 707** is a finely micronized powder that requires dwell times, shear forces and a well-defined temperature for activation. The required activation temperature depends strongly on the polarity of the system.

## Typical values:

Appearance:	micronized powder
Particle size d50:	5 – 9 µm
Particle size top-cut:	< 44 µm
Melting range:	80-86°C
Density (20°C):	1.0 g/cm <sup>3</sup>
INCI name:	trihydroxystearin

## Level of Use / Incorporation:

**CLiQFLOW 707** is typically used at a loading between 0.2-2.0% depending on the required thixotropy.

For optimum activation the material is added early to the manufacturing process to allow sufficient swelling. The material must then be processed within a well-defined temperature window; typically between 35-50°C for aliphatic hydrocarbon based systems and between 50-65°C for solvent-free systems. In powder coatings **CLiQFLOW 707** is incorporated sufficiently during the extrusion process.

The optimum activation temperature and loading level should be determined for each system using a temperature and loading ladder study. (please refer also to the technical information sheet for CLiQFLOW 707 and 709)

**CLiQFLOW 707** should be stored in a cool dry place. Closed containers can be stored up to 24 months. **CLiQSPERSE 707** is available in 20 kg bags.

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 consider also 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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