

CLiQSMART® 351

Surface Tension Modifier

CLiQSMART 351 is a highly efficient solvent-free polyether modified siloxane-based surface tension modifier for non-aqueous and aqueous systems. The additive significantly reduces surface tension, hence improving substrate wetting in coatings, overprint varnishes, and printing inks.

CLiQSMART 351-1 provides superior substrate wetting and improves levelling already at low addition levels. The additive improves surface slip and gloss in aqueous and non-aqueous coatings.

CLiQSMART 351 can be added at any production stage under sufficient agitation. In difficult systems, a pre-solution may provide a more homogeneous distribution of the surface tension modifier.

Typical values:

Appearance:	Clear liquid
Active content:	100%
Density (20°C)	ca. 1.02 g/cm ³

Level of Use / Incorporation:

CLiQSMART 351 can be incorporated at any production step but is best incorporated into the final system with low-medium mixing forces that allows a homogeneous distribution. A pre-solution of the additive can be made if required.

CLiQSMART 351 is typically added at a concentration between 0.1 – 1.0% on total formulation. The optimum loading level should be determined for each system using a loading ladder study. It is recommended to evaluate the effects of the additive on intercoat adhesion in each individual system.

CLiQSMART 351 performance is not impacted by freezing, it may turn hazy at temperatures below 15°C but it turns back to clear after warming. The minimum shelf life is 36 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.