

**CLiQSMART 1014** is a mineral oil based defoamer for aqueous systems. The product contains surface-active materials and silica to accelerate the defoaming efficiency. The defoamer is free of polysiloxane and is typically applied in aqueous matt-to-gloss coating systems, wood stains, varnishes, printing inks and adhesives.

**CLiQSMART 1014** shows better emulsification properties than most mineral oil based defoamers. The product can be added at nearly any production step of pigmented systems with appropriate agitation.

**CLiQSMART 1014** shows excellent efficiency to reduce both production and application foam, it gives superior long-term performance and is stable over a wide pH and temperature range.

#### Typical values:

Appearance:	Opaque liquid
Active:	100 %
Viscosity (20°C):	< 1000 mPa s
Density (20°C):	ca. 0.91 g/cm <sup>3</sup>

#### Level of Use / Incorporation:

**CLiQSMART 1014** is easy to incorporate and can be added at nearly any production step with appropriate agitation. In most cases the defoamer addition is split between the grinding and let-down stage. A loading level between 0.1-0.6% on total is typically sufficient to achieve the desired defoaming effect. The optimum loading level should be determined for each system individually.

**CLiQSMART 1014** is compatible with most aqueous binders used for mid-to-high pvc latex paints, emulsion based plasters and adhesive systems. However, it is suggested to evaluate the compatibility of the product in each individual formulation.

**CLiQSMART 1014** should be stored in a cool dry place between 5 and 30°C for optimum stability. **CLiQSMART 1014** is available in 200 l drums and 1000 l IBC's.

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

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This information is based on best of our knowledge and on test results obtained in our laboratory. It is given in good faith and should only be regarded 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.