

## CLiQSPERSE® 180

Wetting and Dispersing Agent

**CLiQSPERSE 180** is an alkyl phenol ethoxylate (APE), glycol ether, and TMDD free highly efficient multifunctional wetting and dispersing agent for industrial and automotive coating systems. It is efficient with all kinds of pigments used in aqueous resin-free pigment concentrates or base coats.

**CLiQSPERSE 180** is applied in pigment concentrates to prevent pigment flocculation, flooding, and floating. It maximises colour development and colour acceptance of pigment concentrates and improves gloss development in the final coating system.

**CLiQSPERSE 180** is highly recommended in aqueous wood topcoats and primers for dispersion of extenders or titanium dioxide as it has no adverse effect on water resistance of the paint film.

### Typical values:

Appearance:	clear brownish liquid
Active content:	ca. 35 %
Density:	ca. 1.0 g/cm <sup>3</sup>
Brookfield viscosity:	ca. 800 mPa.s

### Level of Use / Incorporation:

**CLiQSPERSE 180** is best dissolved in water prior to pigment addition. The optimum loading level should be determined for each system using a loading ladder study.

In pigment concentrates, a loading level in between 1-10% on total is recommended. For paint formulation, a loading between 0.2-1.0 % is recommended.

**CLiQSPERSE 180** is compatible with most pigments and binders used in industrial and automotive coatings.

**CLiQSPERSE 180** is recommended to store in a cool dry place above 5°C. The performance is not impacted by lower temperature storage or freezing, but homogenization is recommended when re-heated. The minimum shelf life is 48 months when stored in unopened 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.