

## CLiQSPERSE® 135

Dispersing agent

**CLiQSPERSE 135** is an environmentally friendly dispersing and wetting agent for aqueous coatings and pigment concentrates. The neutralised phosphate ester is VOC- and APE-free and meets the latest ECO label requirements for aqueous paints and pigment concentrates.

**CLiQSPERSE 135** is highly recommended for production of universal colorants used in decorative aqueous and non-aqueous coatings. It provides excellent compatibility in non-aqueous coatings, improves colour development, gloss, and significantly reduces viscosity of pigment concentrates.

**CLiQSPERSE 135** is particularly suitable to disperse inorganic pigments and extenders. For universal colorants, it is recommended to combine the phosphate ester with the non-ionic wetting agent, CLiQSPERSE 126, to maximise the performance.

### Typical values:

Appearance:	slightly turbid amber
Active Content:	100 %
Brookfield viscosity:	ca. 1000 mPa.s
pH:	ca. 5-6

### Level of Use / Incorporation:

**CLiQSPERSE 135** is best dispersed with pigments and extenders for maximum efficiency.

In universal pigment concentrates, a loading level between 2 and 10% on total is recommended. A loading ladder study needs to be performed to identify the optimum dosage level.

**CLiQSPERSE 135** is recommended to store in a cool dry place above 5°C. The performance is not impacted by lower temperature storage or freezing. The product may get cloudy and re-heating and homogenization is recommended. The minimum shelf life is 24 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.