

# CLiQSPERSE® PH-2

Wetting and Dispersing Agent

**CLiQSPERSE PH-2** is a solvent-free, 100% active dispersing agent for non-aqueous systems. The polymeric alkylammonium salt is recommended for pigment concentrates and direct grind of pigments in coatings, PVC plastisol's, adhesives, and thermosets. It is particularly recommended for carbon blacks.

**CLiQSPERSE PH-2** is suitable for all kinds of pigments and provides maximum colour strength, gloss retention and excellent colour acceptance in a variety of non-aqueous systems. It prevents re-flocculation and stabilizes pigments in paints and pigment concentrates through steric and electrostatic stabilisation.

**CLiQSPERSE PH-2** reduces grinding time and gives a non-thixotropic low viscous mill-base. In fibre reinforced thermosets, it provides improved wetting to glass and carbon fibres.

**Typical values:**

Appearance: clear amber liquid  
 Active content: 100%  
 Density: ca. 1.05 g/cm<sup>3</sup>  
 Brookfield Viscosity: < 2000 mPa.s

**Level of Use / Incorporation:**

**CLiQSPERSE PH-2** is best dissolved in the resin prior to pigment addition. The optimum loading level should be determined for each system using a loading ladder study.

The following loading levels, based on pigment load, are recommended as a starting point:

Inorganic pigments: 1 - 10%  
 Organic pigments: 10 - 25%  
 Carbon blacks: 20 - 50%

**CLiQSPERSE PH-2** performance is not impacted by freezing, although, for ease of handling, it is recommended to store in a cool dry place above 5°C. 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.