DeCAL 2165

Nonionic Detergent and Wetting Agent

DeCAL 2165 is a powerful nonionic surfactant which is can be utilized across a wide variety of industries. **DeCAL 2165** is used as a dispersing agent in aqueous pigment dispersions, inks and paints. Due to the chemical structure of this product, agglomeration of pigment particles is prevented due to steric stabilisation. **DeCAL 2165** can be used as a co-dispersant in waterbased emulsion paints to help prevent colour acceptance issues. **DeCAL 2165** is also useful in the in the manufacture of carbon black dispersions where it can help reduce the viscosity of the system which contributes to increased carbon black loadings for the formulator.

The additional level of this does product vary considerably depending upon the surface area of the particulate. A typical dosage level is between 1 - 10% on particle weight. Synergistic effects can be achieved when using **DeCAL 2165** in combination with other anionic type dispersants. **DeCAL 2165** also performs well as a surface wetting agent for improving the spreading performance of paints and lacquers. **DeCAL 2165** is NP/APE free

Physical Properties:

Appearance :	Colourless liquid.
pH of 1% Solution :	7
Cloud Point of a 1% solution :	70ºC
Density at 20ºC :	0.980

General properties:

Outstanding wetting properties at any temperature and over a wide pH range.

Highly Biodegradable – (72%w/w oxygen demand, 5 day bottle test).

Stable to acids and alkalis.

Compatible with nonionic, anionic and cationic species.

Easily pourable.

Readily soluble in excess water.

Good cold storage characteristics.

Wetting Characteristics : (Cotton Duck Cloth @ 20ºC)

Concentration (%)	Wetting Time (secs)
0.125	95
0.25	55
0.5	25
0.1	14
0.15	8
0.2	5

Safety & Handling :

DeCAL 2165 should be handled in accordance with good industrial practice. Detailed information is provided in the Material Safety Data Sheets.

We hope this information will be of value and if necessary we will be glad to offer additional technical advice. Please note that all our information is given in good faith, we can assume no responsibility for any liability incurred. Data and results should be confirmed by the Buyer by testing the product under its intended conditions of use.

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