



# DeCAL 1803

**Cationic Acrylic Polymer –  
For Application in Rinse Conditioners and Acidic Hard Surface Cleaners**

## 1. Typical Properties.

Nature:	Non-aqueous liquid dispersion of polymer
Appearance:	Mobile liquid
Colour:	Off white
Odour:	Slight acrylic
Active content:	50%
Viscosity as supplied:	200 – 3000 cPs
Viscosity of 2% solution:	1000-5000 cPs
pH of a 2% solution:	3.0 – 4.0
Shelf life:	12 months.

## 2. Applications.

**DeCAL 1803** provides a cost effective means of thickening difficult cationic systems.

**DeCAL 1803** enhances performance whilst promoting excellent viscosity and flow control.

**DeCAL 1803** can be added to formulations at any stage of manufacture. This is because its low, as supplied viscosity means that it can be incorporated easily without the need for elaborate mixing facilities.

**DeCAL 1803** does not require neutralization or heat, and activates simply by agitation. **DeCAL 1803** also aids suspension and stabilisation of other co-ingredients, and its high thickening efficiency means that only low usage levels are required in many applications.

**DeCAL 1803** has been designed for use in the presence of cationic and non-ionic co-ingredients. It allows cold mixing in aqueous systems, thereby increasing process speed and efficiency, and reducing energy costs in manufacture.

**DeCAL 1803** does not require neutralisation or the addition of sodium chloride to achieve viscosity build. **DeCAL 1803** enables formulators to viscosify products over a wide pH range and in particular in the acidic region.

Additional performance feature: **DeCAL 1803** also acts as an effective opacifier.

Usage levels: 0.1-0.5% for fabric rinse conditioners, 0.5-5.0% for acidic detergents.

### **3. Health & safety**

See MSDS information sheet.

### **4. Packaging & Storage**

**DeCAL 1803** is available in 25Kg, 200Kg drums and 1050Kg containers.

### **5. Safety & Handling.**

**DeCAL 1803** is an emulsion polymer dispersion. Settlement of the polymer can occur with time. This is not detrimental to the product, its properties or its thickening efficiency performance.

It is good practice that the product is agitated prior to use. Do not allow to freeze.

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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