

# DISPERSANT K 850

## Dispersing Agent for Pigments and Extenders in Aqueous Systems

1/12

### INTRODUCTION

*Dispersant K 850* is an APEO and Formaldehyde free, highly effective dispersant for anionic pigments and extenders in aqueous systems. The product is compatible with all common synthetic emulsions, creates little foam and is effective in a wide pH range. The use of *Dispersant K 850* is very favourable in case of storage stability of highly filled emulsion paints and mostly avoids thickening.

### TYPICAL PROPERTIES

Appearance	Clear amber liquid
Composition	Sodium salt of polycarboxylic acid
Solid Content % $\pm$ 0,5	30
Viscosity 25°C LVT 2/60	350 cps max.
Density at 20 °C	Approx. 1,2 g/ml
pH	9.0 - 10.5
Solubility in Water	Soluble in Water
Storage Stability	Protect from freezing

### APPLICATION PROPERTIES

*Dispersant K 850* is generally added in emulsion paints with 0,1 - 0,5% calculated on pigments / extenders. The actual quantity required essentially depends on the type of the pigments / extenders used and should be determined from case to case (determination of the optimum quantity of the dispersing agent). *Dispersant K 850* can be added alone or combined with polyphosphates (e.g. Calgon N). For combined addition mixing proportions of 1:2 to 2:1 has proven to be effective. If more than 1% of *Dispersant K 850* is added, it should be tested whether the water sensitivity of the film increases. In emulsion paint procedure, *Dispersant K 850* normally has to be added before addition of pigments / extenders. If necessary, *Dispersant K 850* can also be added later as a post-additive.

### PRODUCT HANDLING – STORAGE – SHELF LIFE

It is not expected that this product will give rise to any storage or handling difficulties if properly stored in original packings or in clean, covered, suitable containers at normal temperatures ( 5 - 40 °C) for a maximum period of 12 months. The product must be protected from freezing. If crystallized, allow to thaw by heating and stir well before use. Exposures to extremes of heat and cold should be avoided and special signs and instructions indicated on original packings should be carefully observed.

**Important Notice:** This information is based on our present state of knowledge and is intended to provide general notes on Organik Kimya Products and their uses. It should not therefore be construed as a guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.