

METOLAT[®] 514

TECHNICAL INFORMATION

Dispersing agent for pigments and fillers in aqueous systems

Composition:	Salt of a polycarboxylic acid	
Appearance:	liquid	
Colour:	yellow, clear	
Typical Properties:	Active ingredients:	approx. 34 %
	Consistency:	low viscosity
	Density at 20°C:	approx. 1.30 g/cm ³
	Solubility in water:	clearly soluble at any ratio
	pH :	approx. 9.5

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties/applications: METOLAT 514 is an anionic dispersing agent with low foam tendencies suitable for many aqueous systems. It is recommended for most common pigments and fillers. METOLAT 514 is compatible with many emulsion polymers. It can be used over a wide pH range. METOLAT 514 reduces the mill base viscosity and provides higher pigment volume concentrations. It prevents the formation of settlements and stabilizes the system.

Recommended levels/use: Ladder studies are recommended to determine optimum levels. Normal dosage ranges from 0.1 - 0.5 % METOLAT 514 on pigment and filler. It can be used alone or in combination with third dispersant technologies, e.g. polyphosphates (i.e. Calgon N) and tetra potassium pyrophosphates. Recommended mixtures of METOLAT 514 with polyphosphates are 1:2 to 2:1. Addition of more than 1% on total formulation may influence the water sensitivity of the paint film. It is recommended to dose METOLAT 514 before addition of pigments and extenders. Addition during production at a later time is possible.

Storage/handling: METOLAT 514 is not sensitive to freezing. For better handling it should be stored between 5 and 25 °C. Aluminium containers are not suitable for the storage of METOLAT 514. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Totes holding 1200 kg net, drums holding 180 kg net or kegs holding 35 kg net.

Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product's performance in their own systems. This technical data sheet replaces all previous issues.

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