

Product Fact Sheet



DISPERSOGEN[®] PCE

Polymeric dispersing agent

CLARIANT INTERNATIONAL LTD

COMPOSITION

Modified polycarboxylate

Rothausstrasse 61
4132 Muttenz
Switzerland

PRODUCT PROPERTIES^{*)}

Active substance content	About 100 %
Appearance at 25 °C	Yellowish, turbid liquid
Density at 25 °C	About 1,1 g/cm ³
Viscosity at 25 °C (Brookfield, spindle 5, 100 rpm)	About 3600 mPa·s
Solubility at 25°C	Soluble in water
pH value (DIN EN 1262), 5 % as is in water	About 3,5
Flash point (DIN/ISO 2592)	> 100 °C

BUSINESS UNIT INDUSTRIAL &
CONSUMER SPECIALTIES

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^{*)} These characteristics are for guidance only and are not to be taken as product specifications. The tolerances are given in the product specification sheet. For further information on product properties, toxicological, ecological and safety data, please refer to the safety data sheet.

USE

Dispersogen PCE is a dispersing agent for inorganic pigments like titanium dioxide, calcium carbonate, talcum, China clay, iron oxide pigments, gypsum, cement and many others.

Dispersogen PCE is a polymeric dispersing agent with carboxylic acid groups on the principle polymer chain and polyethylene glycol ether side chains. The anionic charges on the principle chain of Dispersogen PCE absorb onto inorganic pigments and provide steric stabilization due to the polyethylene glycol ether side chains. This mechanism is sometimes superior to the electrostatic stabilization of polyacrylic acid salts or copolymers of acrylic acid and e.g. maleic acid resulting in higher dispersion stability.

PAINTS & COATINGS INDUSTRY

Dispersing and wetting agent for waterborne paints & coatings, e.g. emulsion paints, silicate paints, silicon emulsion paints, polyurethane paints, dosage: 0,5 – 1,5% on pigments

Dispersing agent for inorganic pigment slurries, dosage: 0,5 – 1,5% on pigments

Dispersing agent for pigment pastes and preparations, dosage: 5 – 25% on pigments

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