

Technical Information

TEGO® RHEO 8510

TEGO® RHEO 8510 is a non-ionic thickener based on polyurethane

Physical properties

Appearance	clear to hazy liquid
Active content	60 %
Viscosity, dynamic (25 °C) DIN 53019	approx. 20 000 mPas

Benefits

TEGO® RHEO 8510

- is used as thickening agent for water-based systems
- provides a pseudo plastic rheological behaviour
- is highly efficient even at lower pH-values
- improves levelling
- can be combined with other thickeners
- is solvent free
- does not contain alkylphenoethoxylates (APE)

Applications

TEGO® RHEO 8510 can be used for the thickening of dispersions of polyvinylacetate (PVAc), vinyl-ethylene-copolymers (VAE) or acrylates used for adhesives or paper refinement.

TEGO® RHEO 8510 provides on the one hand high viscosity of the dispersions, but on the other hand, due to its pseudo plastic behaviour, it shows shear thinning effects. Therefore dispersions are easily applicable, which is especially interesting e. g. on gravure roll machines.

Additionally, TEGO® RHEO 8510 prevents from misting on fast running gravure rolls or the like, due to its pseudo plastic flow behaviour. That means the creation of dispersion dusts at the gravure roll is suppressed.

Dosage

The dosage of TEGO® RHEO 8510 may vary over a broad range (0.1 – 2.0 % as delivered). For first tests we recommend a dosage of 1 % as delivered.

Handling

TEGO® RHEO 8510 may be used during formulating as well as a post additive.

TEGO® RHEO 8510 can be added as delivered as well as from a pre-dilution.

Registration status

The components of TEGO® RHEO 8510 are listed in the following chemical inventories:

EINECS, PICCS, ECL

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Rheo 8510 is compliant with EC Regulation 1907/2006 (REACH).

Storage stability

TEGO® RHEO 8510 is stable in closed containers for a minimum of 12 months.

TEGO® RHEO 8510 must be stored at frost-free conditions.

Packaging

200 kg plastic drums (800 kg each pallet)

1 000 kg container

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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