

Product Information

TEGO® Rheo 8510

PRODUCT DESCRIPTION

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

Typical Properties

Property	Unit	Value
Appearance		clear to hazy liquid
Viscosity at 25°C	mPa·s	20000

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® RHEO 8510 can be used for the thickening of dispersions of polyvinylacetate (PVAc), vinylethylene-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.

Product Composition

Product Composition	Unit	Value
Active Content	wt%	58-62

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

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)

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 & PROCESSING

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.

PACKAGING

200 kg drums

STORAGE

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

SHELF LIFE

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

The shelf life period can be subject to prolongations based on reapprovals in accordance with the established Evonik ISO 9001 quality management process.

HAZARDOUS SUBSTANCE

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.

REGISTRATION LISTING SUMMARY

The relevant components of TEGO® Rheo 8510 are listed/registered or exempt in the following chemical inventories.

Registration Listings

Registry	Status
Australia (AIC)	No

Registration Listings

Registry	Status
Canada (DSL)	Yes
China (IECSC)	Information on Request
EU (REACH)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	No
South Korea (KECL)	No
New Zealand (NZIoC)	No
Philippines (PICCS)	No
Taiwan (TCSI)	Yes
USA (TSCA)	Yes
Vietnam (NCI)	Yes

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