

## Product Information

## TEGO® Rheo 8600

## PRODUCT DESCRIPTION

TEGO® RHEO 8600 is a non-ionic thickener based on polyurethane

## Typical Properties

Property	Unit	Value
Appearance		clear to hazy liquid
Viscosity at 25°C	mPa·s	10000-40000

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

TEGO® RHEO 8600 is a very efficient thickener for dispersions based on acrylates, vinyl-ethylene-copolymers (VAE) and polyvinyl acetate (PVAc).

TEGO® RHEO 8600 provides high viscosity in dispersions where standard thickening agents such as acrylates at low pH or polyvinyl alcohols for PVAc/VAE-dispersions fail.

Its Newtonian flow behaviour is beneficial in applications wherein thick layers need to be applied such as in construction tapes.

Additionally, TEGO® RHEO 8600 is very useful, if the adhesive needs to be applied very precisely e. g. in dots without flowing apart. Such applications require a high viscosity that can stand high shear stress.

## Product Composition

Product Composition	Unit	Value
Active Content	wt%	23-27

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

TEGO® RHEO 8600

- Is used as thickening agent for water-based systems
- Provides good long term stability
- Shows Newtonian flow behaviour
- Is highly efficient even at lower pH-values
- Improves levelling
- Can be combined with other thickeners
- Is solvent free
- Does not contain emulsifiers

## DOSAGE

The dosage of TEGO® RHEO 8600 may vary over a broad range (0.1-3.0% as delivered). For first tests we recommend to start with a concentration of 1.0% as delivered.

## HANDLING &amp; PROCESSING

Handling TEGO® RHEO 8600 can be added as delivered or from a predilution.

For making a predilution a ratio of 1 : 1 can easily be produced and introduced into any dispersion, therefore it is recommended.

If TEGO® RHEO 8600 is used as delivered the product needs to be stirred thoroughly in the dispersion to ensure a proper distribution of the thickener.

## PACKAGING

200 kg drums

1 000 kg container

## STORAGE

TEGO® RHEO 8600 must be stored at frost free conditions.

## SHELF LIFE

TEGO® RHEO 8600 is stable in closed containers for a minimum of 6 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 8600 are listed/registered or exempt in the following chemical inventories.

### Registration Listings

Registry	Status
Australia (AICC)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes

### Registration Listings

Registry	Status
EU (REACH)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	No
Taiwan (TCSI)	Yes
USA (TSCA)	Yes
Vietnam (NCI)	Yes

## FOOD CONTACT COMPLIANCE

TEGO® RHEO 8600 as an additive is in compliance with EU-Regulation 10/2011 and its amendments.

TEGO® Rheo 8600 can be used in compliance with FDA's rules for food contact, if used as an additive up to a maximum use level of 37.5 mg/sqm food contact area. The field of application includes all types of paper, coatings or adhesives. The use should be consistent with Title 21 C.F.R, included in e.g. §175.125, §175.300, §176.170 or §176.180 .

Furthermore TEGO® Rheo 8600 may be safely used in compliance with 21 CFR 175.105 as an adhesive component with no restrictions.

### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

### Evonik Operations GmbH

Interface & Polyurethane Additives  
Goldschmidtstraße 100  
45127 Essen  
Germany