

Product Information

TEGO® Antifoam KE 600

PRODUCT DESCRIPTION

TEGO® Antifoam KE 600 is an APEO-free organic anti-foam emulsion based on polyethers, containing small amounts of organo-modified siloxanes for enhancing the efficiency; dilutions show excellent stability.

Typical Properties

Property	Unit	Value
Appearance		white emulsion
Density at 25°C	g/cm ³	1.00
pH Value 1 : 10 dilution in water, at 25°C		7.0-9.0
Viscosity at 25°C	mPa·s	200

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® Antifoam KE 600 destroys foam or prevents foam formation reliably in aqueous media and may therefore be used in a variety of industrial applications

- In emulsion, suspension and micro suspension polymerization of PVC throughout all process steps, especially for S-PVC production*
- In the production of paper and paperboard
- In process and waste water applications
- In a multitude of other industrial applications especially if high pH stability is requested

*Special information on this application is available on request.

Product Composition

Product Composition	Unit	Value
Active Content	wt%	58-62

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- TEGO® Antifoam KE 600 outperforms conventional organic antifoams in many respects, in particular regarding dispersibility and dilution stability
- Furthermore undesirable effects associated with other organic or silicone antifoams (e. g. fogging of PVC, surface defects of coated and uncoated paper) can be very much reduced or even eliminated

HANDLING & PROCESSING

Though TEGO® Antifoam KE 600 may be applied as delivered the outstanding dilution stability makes this antifoam suitable for application from low concentrated dilutions (1 : 3 to 1 : 20). This results in a very cost effective application of the antifoam. Depending on the application in question the required dosage may vary over a wide range (0.005 to 0.2%); suitable screening tests are therefore recommended (initial dosage: 0.1%). 0.01 to 0.02% TEGO® Antifoam KE 600 is a typical dosage for S-PVC processes using PVOH or cellulose as suspension aid. When applying TEGO® Antifoam KE 600 a predilution is required and can be created by adding water to TEGO® Antifoam KE 600 while stirring at low shear rates. Dilutions of TEGO® Antifoam KE 600 that are prepared in this way are stable for 1 to 2 days.

PACKAGING

200 kg plastic drums (800 kg each pallet) 1 000 kg containers

STORAGE

The Antifoam needs to be stirred gently before use.

SHELF LIFE

TEGO® Antifoam KE 600 is stable in closed containers for a minimum of 6 months. The product has to be kept under frost free conditions.

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

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Antifoam KE 600 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGO® Antifoam KE 600 are listed/registered or exempt in the following chemical inventories:

Registration Listings	
Registry	Status
Australia (AIIIC)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes

Registration Listings

Registry	Status
EU (REACH)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
South Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
USA (TSCA)	Yes

FOOD CONTACT COMPLIANCE

FDA regulation TEGO® Antifoam KE 600 complies with 21 CFR 176.210-(Defoaming agents used in the manufacture of paper and paperboard) and 21 CFR 175.105 (Adhesives). PVC containing TEGO® Antifoam KE 600 up to maximum concentrations of 800 ppm, which is much above the typical use level of 100-200 ppm may be safely used in compliance with 21 CFR 175.300 (resinous and polymeric coatings) and 21 CFR 177.1210 (closures with sealing gaskets for food containers).

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