

Product Information

TEGO® Antifoam KS 53

PRODUCT DESCRIPTION

TEGO® Antifoam KS 53 is a self-emulsifying, APEO-free organic antifoam concentrate based on a food grade vegetable oil, containing small amounts of organo-modified siloxanes for enhancing the efficiency.

Typical Properties

Property	Unit	Value
Appearance		yellowish, cloudy liquid
Density at 25°C	g/cm ³	0.96
Refractive Index at 25°C		1.470
Viscosity at 25°C	mPa·s	130-210

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® Antifoam KS 53 destroys foam or prevents foam formation reliably in aqueous media and may be used for foam control in a variety of industrial applications

- In the stripping of PVC latex in emulsion, suspension and micro-suspension polymerization*
- Process aid for the water based polymerization of thermoplastics and elastomers (e.g. in the demonomerization)*
- In the processing and application of polymer dispersions/latices*, e.g. adhesive formulation
- In fermentation processes
- As an environmental-friendly antifoam for waste water treatment
- In a multitude of other industrial applications (TEGO® Antifoam KS 53 should not be used in strong alkaline media, i. e. pH > 10)
- In the cold and hot wash process in plastic recycling

*Please contact us for application specific information

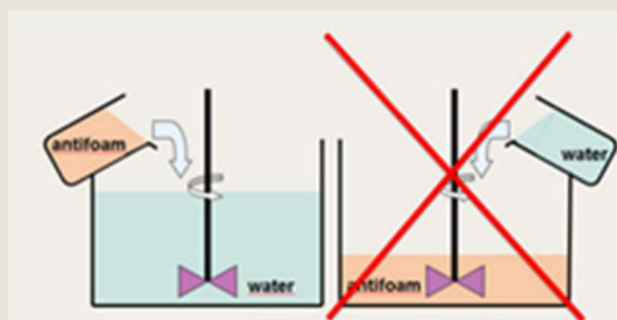
Product Composition

Product Composition	Unit	Value
Active Content	wt%	100

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Due to the special selection of active ingredients TEGO® Antifoam KS 53 outperforms conventional organic antifoams in many respects (compatibility, efficiency)
- Furthermore, undesirable effects associated with other organic antifoams can be reduced or even eliminated (e.g. fogging of PVC)



We recommend to stir TEGO® Antifoam KS 53 before use.

HANDLING & PROCESSING

- The required dosage for TEGO® Antifoam KS 53 covers wide range (0.005 to 0.2%) depending on the application in question; suitable screening tests are therefore recommended (initial dosage: 0.1%).
- As TEGO® Antifoam KS 53 is easily dispersible in water, it may be applied as delivered. For specific process conditions aqueous predilutions (1 : 10 to 1 : 20) might be desirable. When preparing such a predilution, it is important to add TEGO® Antifoam KS 53 to water. To achieve a homogeneous distribution of the active material we recommend to stir the diluted antifoam gently in the storage tank, but avoid high shear forces as they destroy the emulsion.
- We recommend stirring TEGO® Antifoam KS 53 before use.

PACKAGING

190 kg steel drums (760 kg each pallet) 1 000 kg containers

SHELF LIFE

TEGO® Antifoam KS 53 is stable in closed containers for a minimum of 12 months.

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 KS 53 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGO® Antifoam KS 53 are listed/registered or exempt in the following chemical inventories:

Registration Listings

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

Registration Listings

Registry	Status
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 Regulations Based on the „no migration principle“ TEGO® Antifoam KS 53 can be used in Compliance with FDA's rules for food contact if used as an additive up to a maximum use level 200mg/m². Please contact us if further information is needed. If higher amounts are needed, an opinion letter is available. The field of application includes all types of plastics, paper, coatings or adhesives. The use should be consistent with Title 21 C.F.R (Code of federal regulation), included in e.g. §175.105, §175.125, §176.170, §176.180, §176.200, §175.300, §177.1210 or §177.2600. European Regulation 10/2011 and amendments. All components of TEGO® Antifoam KS 53 are covered by the Regulation 10/2011/EU without any specific SML values. BfR Recommendations TEGO® Antifoam KS 53 may be used in compliance with the BfR Recommendation XIV. Polymer Dispersions that comply with the XIVth Recommendation may be further used as production auxiliary according to the BfR Recommendation XXXVI under B. I. 10.

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.

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