

Product Information

TEGO® Antifoam 1488

PRODUCT DESCRIPTION

TEGO® Antifoam 1488 is an antifoam emulsion based on organo-modified siloxanes.

Typical Properties

Property	Unit	Value
Appearance		white emulsion
Density	g/cm ³	1.0
pH Value at 25°C		9.0
Viscosity	mPa·s	<500

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® Antifoam 1488 is used as antifoam in a broad range of aqueous based systems. It provides reliable foam control in water-based adhesives as well as in the processing and application of polymer dispersions, emulsions and multitude of other industrial applications, where the use of traditional silicone oil based antifoams is restricted for certain reasons.

Applications for TEGO® Antifoam 1488 are

- Processing and application of polymer dispersions / latices
- Textile industry (e. g. textile sizing, production of non-woven)
- Tank side defoamer for all different types of aqueous metal working fluids (soluble oils, semi- and full synthetic fluids)

Product Composition

Product Composition	Unit	Value
Active Content	wt%	18-22

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

TEGO® Antifoam 1488 has a unique product profile that combines excellent foam suppression and long-term efficiency with maximum compatibility at the same time. These properties cannot be achieved with organic or with traditional silicone oil-based antifoams.

Furthermore, undesirable effects associated with silicone-based antifoams (silicone spotting, fisheyes) can be eliminated in most applications.

TEGO® Antifoam 1488 is highly compatible. It does not deteriorate the shelf-life of ready-to-use emulsions.

We do not use unmodified polydimethylsiloxane (PDMS) as a raw material during the production of the organo-modified siloxane that is part of TEGO® Antifoam 1488. Based on an analytical method that includes isolation of unmodified PDMS by preparative chromatography and quantification of the isolated fraction, followed by NMR spectroscopic analysis of the isolated fraction, it can be stated that the defoamer TEGO® Antifoam 1488 does not contain unmodified polydimethylsiloxane (PDMS) above the threshold of the analytical detection (detection limit of the applied method is 0.1 m%).

HANDLING & PROCESSING

The product, in delivered and diluted form, should be stirred gentle but well before use!

TEGO® Antifoam 1488 is easily dispersible in water and may therefore be applied as delivered. However, in most applications it is beneficial to apply TEGO® Antifoam 1488 pre-diluted (1:1 to 1:10).

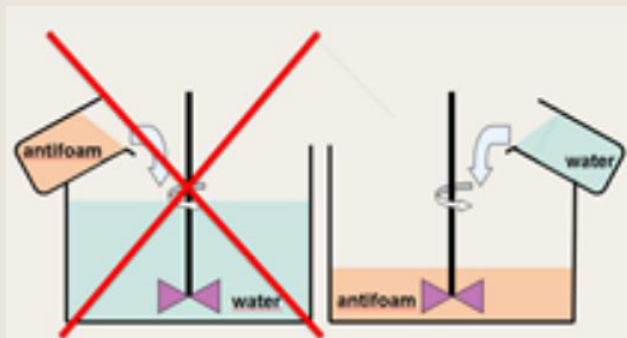
Depending on the application in question the required dosage may vary over a wide range (0.05 to 0.2%). Suitable

screening tests are therefore recommended (initial dosage: 0.1%).

Dilution of TEGO® Antifoam 1488 may be prepared by adding the desired amount of water to TEGO® Antifoam 1488 while stirring gently at low shear rates.

1:1 dilutions prepared as described above are stable for several days, 1:10 dilutions should be processed within several hours.

The product has to be stirred gently before use! The longterm effect of the product depends on the system and should be pre-evaluated with respective formulation.



PACKAGING

210 kg PE-drums (840 kg each pallet)

1 000 kg containers

STORAGE

TEGO® Antifoam 1488 may be stored in closed containers for at least 12 months. The product has to be stored under frost-free conditions. Storage temperature should not exceed 35°C.

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® Antifoam 1488 are listed/registered or exempt in the following chemical inventories*:

*Subject to constant updates, please contact us for further information

Registration Listings

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

Please note, that the following food contact compliances are just a selection, referring to the most important applications mentioned above. If you need any further information, please get in contact with us.

FDA Regulations

TEGO® Antifoam 1488, with some restrictions, complies with 21CFR FDA:

175.105, 175.125, 175.300, 176.170, 176.180, 176.210

European Regulation 10/2011 and Amendments

TEGO® Antifoam 1488, with some restrictions, complies with EC 10/2011. Detailed information is available on request.

BfR Recommendation

TEGO® Antifoam 1488, with some restrictions, complies with the XIVth BfR Recommendation. 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.

Evonik Operations GmbH

Interface & Polyurethane Additives
Goldschmidtstraße 100
45127 Essen
Germany