

## Technical Information

## TEGO® Antifoam 1488

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

## Physical properties

Appearance	white emulsion
Active content	20 %
Density (20 °C)	approx. 1.0 g/cm <sup>3</sup>
Viscosity, dynamic (25 °C)	approx. 100 mPas
pH-value (25 °C) as delivered	9

## Application

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 a 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).

## Benefits

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, fish eyes) can be eliminated in most applications.

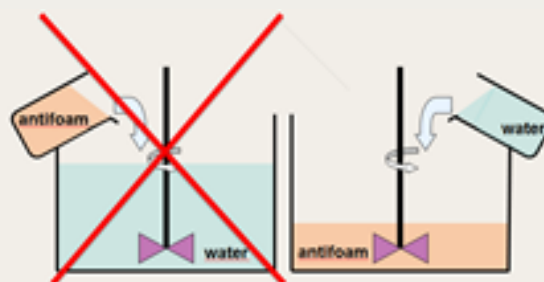
TEGO® Antifoam 1488 is highly compatible. It does not deteriorate the shelf-life of ready-to-use emulsions.

## Dosage/Handling

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 before use!

## Food contact status

### FDA Regulations

TEGO® Antifoam 1488 complies with 21 CFR 176.210 (Defoaming agents used in the manufacture of paper and paperboard) and 21 CFR 175.105 (Adhesives).

### European Regulation 10/2011 and amendments

Detailed information is available on request.

### BfR Recommendation

TEGO® Antifoam 1488 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.

### Registration status

The components of TEGO® Antifoam 1488 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, ECL, PICCS, IECSC, TCSI and NZIOC

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Antifoam 1488 is compliant with EC Regulation 1907/2006 (REACH).

## Storage stability

TEGO® Antifoam 1488 is stable in closed containers for a minimum of 6 months.

Protect from frost!

### Packaging

210 kg PE-drums (840 kg each pallet)  
1 000 kg containers

### Hazardous goods classification

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.

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