

Technical Information

TEGO® Antifoam 204

TEGO® Antifoam 204 is an antifoam emulsion based on organo-modified siloxanes.

Physical properties

Appearance	milky, white emulsion
Active content	20 %
Density (25 °C)	approx. 1.0 g/cm ⁻³
Viscosity (25 °C)	medium viscous (shear dependent)
Type of emulsifier	non-ionic

Application

TEGO® Antifoam 204 provides reliable foam control in aqueous media and may therefore be used for foam control in a variety of industrial applications:

- in the processing and application of polymer dispersions/latices
- in a multitude of other industrial applications where the use of traditional silicone oil based antifoams is restricted for certain reasons

Benefits

- excellent long-term efficiency, combined with maximum compatibility with most polymer dispersions
- no silicone related side effects, e. g. fish eyes, surface defects, de-wetting etc.

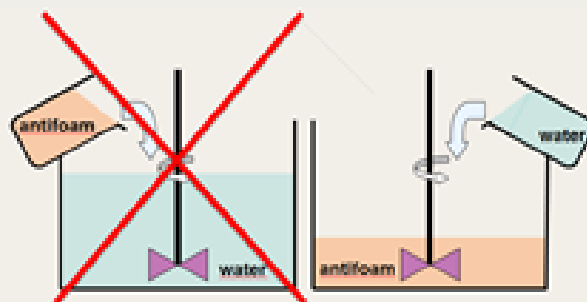
This results in a unique product profile which cannot be achieved either with organic or with traditional silicone oil based antifoams.

Dosage/Handling

A pre-dilution of TEGO® Antifoam 204 can be beneficial depending on the application in question. The ration should be between 1 : 1 to 1 : 10.

Depending on the application the required dosage may vary over a wide range (0.05 to 0.5 %); suitable screening tests are therefore recommended (initial dosage: 0.1 %).

Dilution of TEGO® Antifoam 204 may be prepared by adding the desired amount of water to TEGO® Antifoam 204 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 may tend to slight separation after a long period of storage, which is only a cosmetic issue. Therefore steering before use is recommended.

Food contact status

BfR Recommendations

TEGO® Antifoam 204 complies with the BfR-Recommendation XIV.

Polymer Dispersions that comply with the Recommendation XIV may be further used as production auxiliary according to the BfR-Recommendation XXXVI under B. I. 10.

European Regulation 10/2011 and amendments

TEGO® Antifoam 204 may be used in compliance with EU Regulation 10/2011.

FDA

The Product is compliant with the following chapters in title 21 CFR (FDA):

- 175.105 Adhesives (if used as a defoamer)
- 176.210 Defoaming agents used in the manufacture of paper and paperboard
- 176.170 Components of paper and paperboard in contact with aqueous and fatty foods (if used as defoamer).

Based on the no migration principle the product can be used in Compliance with Title 21 CFR with at least the following chapters; 175.300; 176.170; 176.180; 177.1210 and 177.2600 if used as an additive with a maximum quantity of 125 mg per square meter food contact area.

Registration status

The components of TEGO® Antifoam 204 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, ECL, PICCS, CHINA

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Antifoam 204 is compliant with EC Regulation 1907/2006 (REACH).

Storage stability

TEGO® Antifoam 204 is stable in closed containers for a minimum of 6 months.

TEGO® Antifoam 204 must be stored in frost-free conditions.

Packaging

200 kg PE drums (800 kg each drum)
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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