

Technical Information

TEGO® Antifoam 2-57

TEGO® Antifoam 2-57 is an antifoam emulsion based on organo-modified siloxanes.

Physical properties

Appearance	white emulsion
Active content	approx. 20 %
Density (20 °C) DIN 51757	approx. 1.0 g/cm ³
pH-value (25 °C)	approx. 8

Application

TEGO® Antifoam 2-57 may be used for foam control in a variety of industrial applications, e. g.

- during processing and application of polymer dispersions
- in concrete plasticizers based on lignin sulfonate, naphthalene sulfonate and melamine sulfonate
- in processing and application of pressure-sensitive adhesives

Properties/Benefits

As well as excellent foam control TEGO® Antifoam 2-57 provides additional benefits including:

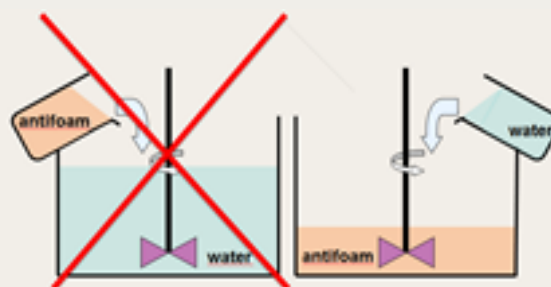
- excellent compatibility as pre-defoamer in various polymer dispersion applications (including PSA)
- no negative effects in downstream applications (no surface defects, fish eyes etc.)
- easy incorporation into concrete plasticizers and excellent storage stability (no separation)
- improvement of concrete flowability
- good compatibility with rubber hoses/gaskets

Dosage/Handling

TEGO® Antifoam 2-57 is easily dispersible in water and may therefore be applied as delivered. However, in most applications it is beneficial to apply TEGO® Antifoam 2-57 from aqueous pre-dilutions (1 : 1 to 1 : 10).

Depending on the application in question the required dosage may vary over a wide range (0.05 - 0.5 %). We therefore recommend suitable screening tests (initial dosage: 0.1 %).

TEGO® Antifoam 2-57 may be added to the media while stirring gently (normally no high-shear mixing required). Dilutions may be prepared by adding the desired amount of water to TEGO® Antifoam 2-57 under gentle stirring at low shear rates.



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

Storage stability

TEGO® Antifoam 2-57 may be stored in closed containers for at least 6 months. The product has to be stored under frost-free conditions; storage temperature should not exceed 35 °C.

Food contact status

FDA Regulation

TEGO® Antifoam 2-57 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.

Recommendations of the BfR

TEGO® Antifoam 2-57 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

All ingredients of TEGO® Antifoam 2-57 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, ECL, PICCS, IECSC, NZIOC, NECSI

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Antifoam 2-57 is compliant with EC Regulation 1907/2006 (REACH).

Packaging

Pallet à 840 kg
(4 x 210 kg plastic drums)
Container à 1 000 kg

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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