

## Technical Information

## TEGO® Antifoam 2290

TEGO® Antifoam 2290 is a self-emulsifying APEO-free organic antifoam concentrate. The product is absolute free of silicone and does not contain any silica.

## Physical properties

|                            |                                |
|----------------------------|--------------------------------|
| Appearance                 | yellowish                      |
| Active content             | 100 %                          |
| Density (25 °C)            | approx. 0.86 g/cm <sup>3</sup> |
| Viscosity, dynamic (25 °C) | approx. 50 – 200 mPas          |

## Application

TEGO® Antifoam 2290 destroys foam or prevents foam formation reliably in aqueous media and may be used for foam control in a variety of industrial applications, even there where the use of silicone and silica is not accepted:

- process aid for water-based polymerization of dispersions, thermoplastics and elastomers (e. g. de-monomerisation of SBR or NBR emulsions, handling of acrylates)
- in formulation and application of polymer dispersions/latices (e. g. adhesives based on acrylates or PVAc, paper coatings or others)
- in a multitude of other industrial applications

## Benefits

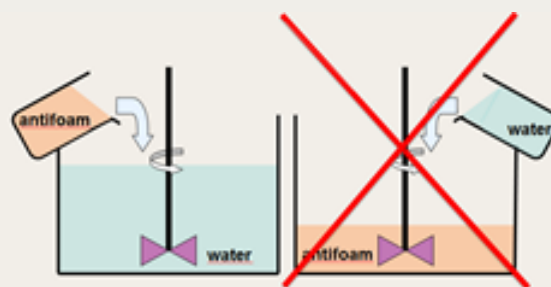
Due to the special selection of active ingredients TEGO® Antifoam 2290 outperforms conventional organic antifoams.

## Dosage

Depending on the application in question the required dosage may vary over a wide range (0.005 % – 0.2 %); therefore suitable screening tests are recommended (initial dosage 0.1 %).

## Handling

TEGO® Antifoam 2290 can be applied as delivered or pre-diluted with water in the way that the amount of water is in the dilution vessel and the antifoam is added to the water. If the antifoam is pre-diluted, active contents of 5 – 10 % are recommended.



High shear forces on the diluted product should be avoided as it might break the emulsion. The water temperature used for the dilution should be ideally 20 – 40 °C to form a stable emulsion.

## Food contact status

## BfR Recommendations

TEGO® Antifoam 2290 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.

## FDA regulations

TEGO® Antifoam 2290 complies with:

21 CFR 176.210 – (Defoaming agents used in the manufacture of paper and paperboard),

21 CFR 175.105 (Adhesives),

21 CFR 175.300 – (Resinous and polymeric coatings),

21 CFR 176.170 (Components of paper and paperboard in contact with aqueous and fatty foods),

21 CFR 176.180 (Components of paper and paperboard in contact with dry food),

21 CFR 177.2600 (Rubber articles intended for repeated use).

## Registration status

The components of TEGO® Antifoam 2290 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ISHL, AICS, ECL, PICCS, CHINA, NZIOC, TAIWAN

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Antifoam 2290 is compliant with EC Regulation 1907/2006 (REACH).

## Storage stability

TEGO® Antifoam 2290 is stable in closed containers for a minimum of 12 months at ambient temperature.

## Packaging

170 kg drums (680 kg each pallet)

850 kg container

## 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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