

Technical Information

TEGO® Antifoam 2291

TEGO® Antifoam 2291 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. 0.88 g/cm ³
Viscosity, dynamic (25 °C)	approx. 100 – 500 mPas

Application

TEGO® Antifoam 2291 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 underwater granulation of additive masterbatches or compounds
- in a multitude of other industrial applications

Benefits

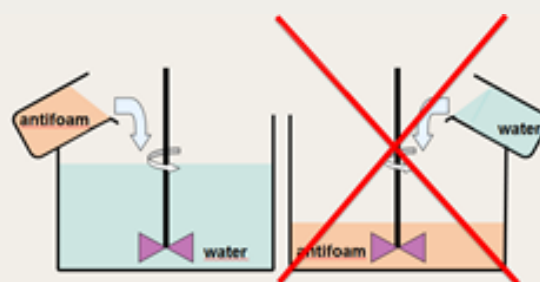
Due to the special selection of active ingredients TEGO® Antifoam 2291 outperforms conventional organic antifoams.

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 2291 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

China GB 9685–2016

TEGO® Antifoam 2291 is listed with respect to its active standard composition in GB 9685–2016 for use in Adhesive, Paper and Plastic (PET–PEI–PPE–PBT–PVC–PE–PP–PS–ABS–PC) with Food Contact.

European Regulation 10/2011

TEGO® Antifoam 2291 can be used in accordance with Regulation 10/2011/EU on plastic materials and articles intended to come into contact with food.

BfR Recommendations

TEGO® Antifoam 2291 complies with the XIVth BfR Recommendation.

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

FDA regulations

TEGO® Antifoam 2291 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 177.1520 (Olefin polymers),

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

Registration status

The components of TEGO® Antifoam 2291 are listed in the following chemical inventories:

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

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® ANTIFOAM 2291 is compliant with EC Regulation 1907/2006 (REACH).

Storage stability

TEGO® Antifoam 2291 is stable in closed containers for a minimum of 12 months at ambient temperature.

TEGO® Antifoam 2291 must be stored in frost-free conditions.

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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