

## Product Information

## TEGO® Antifoam 2291

## PRODUCT DESCRIPTION

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.

## Typical Properties

Property	Unit	Value
Appearance		nearly colorless, cloudy liquid
Density at 25°C	g/cm <sup>3</sup>	0.88
Viscosity at 25°C	mPa·s	100-500

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

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
- Processing of latex dipped goods
- In the cold and hot wash process in plastic recycling, even in alkaline surroundings

## Product Composition

Product Composition	Unit	Value
Active Content	wt%	100

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

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

It is also suitable for processes and applications, sensitive for silicone.

TEGO® Antifoam 2291 is free from animal based raw materials.

## DOSAGE

Depending on the application in question, the required dosage may vary over a wide range (0.05% - 0.2%); therefore suitable screening tests are recommended (initial dosage 0.1%)

## HANDLING &amp; PROCESSING

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 prediluted 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 prediluted, 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.

The Antifoam should be stirred gently before use.

## PACKAGING

170 kg drums (680 kg each pallet) 850 kg container.

## STORAGE

TEGO® Antifoam 2291 is stable in closed containers for a minimum of 12 month at temperature below 30°C.

## SHELF LIFE

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.

## HAZARDOUS SUBSTANCE

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.

## REGISTRATION LISTING SUMMARY

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).

The relevant components of XY are listed/registered or exempt in the following chemical inventories:

### Registration Listings

Registry	Status
Australia (AIIIC)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
EU (REACH)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
South Korea (KECL)	Yes

### Registration Listings

Registry	Status
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
USA (TSCA)	Yes

## FOOD CONTACT COMPLIANCE

China GB 9685-2016 TEGO® Antifoam 2291 is in compliance with GB9685-2016 in plastics, adhesives and paper. 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 production 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).

### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

### Evonik Operations GmbH

Interface & Polyurethane Additives  
Goldschmidtstraße 100  
45127 Essen  
Germany