

# TEGO® Antifoam 891

## Product description

TEGO® Antifoam 891 is a 100 % active defoamer concentrate based on organo-modified siloxanes.

## Physical properties

Appearance	yellowish, turbid
Active matter content	100 %
Density (20 °C)	1.01 - 1.06 g/cm <sup>3</sup>
Viscosity (25 °C)	500 - 1 500 mPas

## Application

TEGO® Antifoam 891 is particularly suitable as defoamer in aqueous based systems. It can be used for foam control in a variety of industrial applications where a smooth process has to be ensured, such as

- Metalworking fluids (MWF)

TEGO® Antifoam 891 is recommended as post-defoamer for tank side defoaming of water-mixed metalworking fluids (especially for emulsifiable fluids).

- Textile & process auxiliaries

TEGO® Antifoam 891 can be used for pre- and post-defoaming in finishing processes as well as for pre-defoaming of surfactant concentrates.

It is particularly well suited to control foam in alcohol ethoxylate systems in textile manufacturing processes as it ensures a fast foam knock down.

## Properties/Benefits

- TEGO® Antifoam 891 provides excellent foam knock down and hold down properties in a broad range of different aqueous based systems.
- TEGO® Antifoam 891 is free of silicone oils. Therefore, it has no adverse effect on finishing processes (e.g. painting/electro-plating, etc) of the treated metal parts.
- It also does not deteriorate the shelf life of water-mixed emulsions.
- Shows a very high long-lasting defoaming persistence, even after filtration.
- Applied as defoamer for textile & process auxiliaries, TEGO® Antifoam 891 combines good compatibility with high efficiency of traditional silicone oil based defoamers, while no silicone spotting and no reverse effect on printability occur at the same time.

## Dosage/Handling

TEGO® Antifoam 891 is used in a wide range of different applications. Therefore, recommended dosage levels may vary.

As a general dose level, we recommend 0.005 - 0.1 % as post-defoamer.

Applied as tank side additive, TEGO® Antifoam 891 should be applied in its undiluted form.

Used as pre-defoamer in surfactant concentrates for textile auxiliaries, we recommend 0.1 - 2.0 % of TEGO® Antifoam 891 in the concentrates.

As basic guide formulations we can recommend the following:

### 10 % Clear Defoamer Concentrate

Product	%
TEGO® Antifoam 891	10.0
Butyldiglycol	90.0

Add antifoam into the vessel and start to stir. Add the BDG into the mixing vessel while stirring. Now the TEGO Antifoam is easily dispersible in aqueous environment.

### 40 % Defoamer Emulsion

Product	%
TEGO® Antifoam 891	40.0
TEGO® Coagulant 4920	20.0
Water	40.0

Add antifoam and TEGO® Coagulant 4920 into the vessel and start to stir.

When the product is homogenous than start to add the water slowly while continuous stirring. The final product is a white defoamer emulsion.

### Registration status

The ingredients of TEGO® Antifoam 891 are listed in the following chemical inventories:

EINECS, TSCA, ENCS, AICS, DSL, TCCL, PICCS, NZIOC, ECS, and IECSC

### Storage stability

In original sealed containers TEGO® Antifoam 891 can be stored at room temperature for one year. It should always be stirred before use.

### Packaging

Pallet size: 800 kg = 4 x 200 kg steel drum

### 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.

06/2016

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(Status: July 2015)

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