

# TEGO® Antifoam 691

## Product description

TEGO® Antifoam 691 is a highly efficient, 100 % active defoamer compound based on an organo-modified siloxane of a brand new structure.

## Preliminary physical properties

Form (25 °C)	liquid
Appearance (25 °C)	Colourless to pale straw
Active matter	100 %
Viscosity (25 °C)	1 000 – 2 200 m·Pas
Density (25 °C)	0.950 – 1.050 g/cm <sup>3</sup>

## Application

TEGO® Antifoam 691 is particularly suitable as pre-defoamer for a wide range of emulsifiable metalworking fluids (MWF). It can be applied for soluble oils and semi synthetic fluids based on mineral oils or ester oils as well as for MWF that are based on blends of those.

Depending on the composition of the fluid, TEGO® Antifoam 691 may also improve the foaming behavior of water-soluble MWF.

## Properties/Benefits

TEGO® Antifoam 691

- provides excellent foam knock down and hold down properties
- shows an outstanding long-lasting defoaming persistence

- provides excellent filterability properties, which minimizes the amount of additional tank side defoamer
- allows the formulation of stable MWF concentrates
- does not deteriorate the shelf-life of ready-to use emulsions, but often has an emulsion stabilizing impact
- is free of silicone oils. Therefore, it has no adverse effects on finishing processes (painting, electro-plating etc.) and the treated parts

## Dosage/Handling

The dosage level depends on various factors including the type of emulsifiable MWF and its composition, kind of machining operation and process conditions (speed, pressure) and can vary accordingly.

For first tests we recommend a dosage of 0.1 % TEGO® Antifoam 691 into the MWF concentrate.

## Registration status

The ingredients of TEGO® Antifoam 691 are listed in the following inventories:

EINECS, TSCA, DSL, ENCS, AICS, TCCL, PICCS, IECSC, NZioC und ECS

## Storage stability

TEGO® Antifoam 691 can be stored in originally sealed containers at room temperature for at least 1 year. It should always be stirred before use.

## Packaging

Pallet size: 800 kg = 4 x 200 kg steel drum  
300 kg = 6 x 50 kg plastic 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.

11/2017

### Trademark notice and legal notice

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(Status: July 2015)

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