

Technical Information

TEGO® Antifoam 793

Product description

TEGO® Antifoam 793 is a 100 % active defoamer concentrate based on organo-modified siloxanes. TEGO® Antifoam 793 is water dispersible.

Physical properties

| | |
|-----------------------|-----------------------------|
| Appearance | yellowish, turbid |
| Active matter content | 100 % |
| Density (25 °C) | approx. 1 g/cm ³ |
| Viscosity (25 °C) | 700 – 1 500 mPas |

Application

TEGO® Antifoam 793 is particularly suitable as defoamer in aqueous based systems. It is used in a wide range of industrial applications, such as

- Metalworking fluids (MWF)
- Textile auxiliaries
- Surfactant concentrates

TEGO® Antifoam 793 can be formulated into concentrates to produce low foaming fluids. Furthermore, it can be used in the ready-to-use fluid as a tank side defoamer.

In the case of MWF, TEGO® Antifoam 793 is used in semi-synthetic fluids and soluble oils if incorporated into the concentrate. As a tank side defoamer, it is suitable for all different types of water-based MWF.

In alkaline metal cleaners it can be recommended as tank side defoamer.

Properties / Benefits

- TEGO® Antifoam 793 provides good foam knock down and hold down properties in a broad range of different aqueous based systems.
- TEGO® Antifoam 793 is free of silicone oils. Therefore, it has no adverse effect on the finishing process (painting/electro-plating, etc.) of the treated parts.
- TEGO® Antifoam 793 is highly compatible. This allows for the formulation of highly stable concentrates. It also does not deteriorate the shelf-life of ready-to-use emulsions.
- TEGO® Antifoam 793 is water dispersible, which allows for easy handling.

Dosage / Handling

TEGO® Antifoam 793 is used in a wide range of different applications. Therefore, recommended dose levels may vary. As a general dose level, we recommend 0.1 – 1.0 % in the concentrates and 0.005 – 0.1 % as a tank side defoamer.

If used as a tank side defoamer, TEGO® Antifoam 793 can be applied as delivered or as pre-dilution in water. We recommend a dilution in a mixing ratio of 1 : 3 (i. e. 1 part TEGO® Antifoam 793 and 3 parts water).

Aqueous dilution of TEGO® Antifoam 793 may proceed by adding the desired amount of water slowly to TEGO® Antifoam 793 while stirring gently at low shear rates.

These pre-dilutions are not stable long-term and have to be used within a few hours.

Registration status

The ingredients of TEGO® Antifoam 793 are listed in the following chemical inventories:

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

Storage stability

In original closed containers, TEGO® Anti-foam 793 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 drums

300 kg = 6 x 50 kg plastic drums

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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