

Product Specification

TEGO® Antifoam 2080**Product description**

TEGO® Antifoam 2080 is an antifoam based on organomodified siloxanes for foam control in non-aqueous media.

Physical properties

Appearance	Yellowish to brownish liquid
Active content	Approx. 80 %
Silicone content	< 9 %
Density (25 °C)	Approx. 1.0 g/cm ³
Viscosity (25 °C)	650 - 1 350 mPas
Flash point	> 60 °C

Application

TEGO® Antifoam 2080 is an antifoam for use in mineral oil based neat metalworking fluids.

TEGO® Antifoam 2080 is soluble in a variety of aromatic and aliphatic solvents, e.g. diisononyl adipate or diethylhexyl carbonate.

Properties/Benefits

Due to its unique chemistry TEGO® Antifoam 2080 outperforms organic defoamers such as polyacrylates. TEGO® Antifoam 2080 provides the same defoaming efficiency at a much higher de-aeration rate of the base fluid compared to pure silicone oils.

TEGO® Antifoam 2080 combines the high compatibility of an organic antifoam with the high efficiency of pure silicone oil antifoams. Additionally, TEGO® Antifoam 2080 provides longer lasting defoaming efficiency.

Furthermore, in contrast to pure silicone oils TEGO® Antifoam 2080 does not negatively affect the overpaintability of metal surfaces when used in metalworking fluids.

Compared to conventional siloxane-based antifoams TEGO® Antifoam 2080 allows for a strongly reduced treat rate due to its exceptional efficiency.

Dosage/Handling

Depending on the type of non-aqueous media and the composition of the corresponding additive package the dosage may vary over a wide range. Consequently the dosage has to be evaluated with appropriate tests. However, for first trials we recommend a dosage of 20 ppm.

To increase defoaming efficiency it is recommended to prepare a pre-dilution of 10 % of TEGO® Antifoam 2080 in e.g. diisononyl adipate or in TEGOLUBE® DC 16 (diethylhexyl carbonate). Such a dilution can easily be incorporated into the mineral oil based neat metalworking fluid.

Registration status

The ingredients of TEGO® Antifoam 2080 are listed in the following inventories:

EINECS, TSCA, DSL, ECL, AICS and TAIWAN

Storage stability

In originally sealed containers, with an ambient temperature between 5°C and 40°C, TEGO® Antifoam 2080 can be stored for at least 1 year.

Packaging

25 kg plastic drums
Pallet size 12 x 25 kg = 300 kg

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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