

Product Information

TEGO® Antifoam MR 507

PRODUCT DESCRIPTION

TEGO® Antifoam MR 507 is an antifoam based on organo-modified siloxanes for foam control in non-aqueous media.

Typical Properties

Property	Unit	Value
Appearance		Yellowish to brownish liquid
Density at 25°C	g/cm ³	1.00
Viscosity at 25°C	mPa·s	500-1500

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGO® Antifoam MR 507 is used as an antifoam for diesel additive packages or diesel fuels. Our product can especially be used for diesel fuels with high amounts and different sources of bio components.

Product Composition

Product Composition	Unit	Value
Active Content	wt%	78-82
Silicon (Si) Content	%	≤11

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

Due to the high silicone content of TEGO® Antifoam MR 507 it outperforms conventional products in bio treated diesel fuels regarding following points.

Efficiency in dry and wet fuel

TEGO® Antifoam MR 507 reduces substantially and reliably both, foam collapse time and initial foam height. It

maintains its outstanding performance even in wet fuel and after a storage time of the treated fuel exceeding 4 weeks.

Water shedding properties

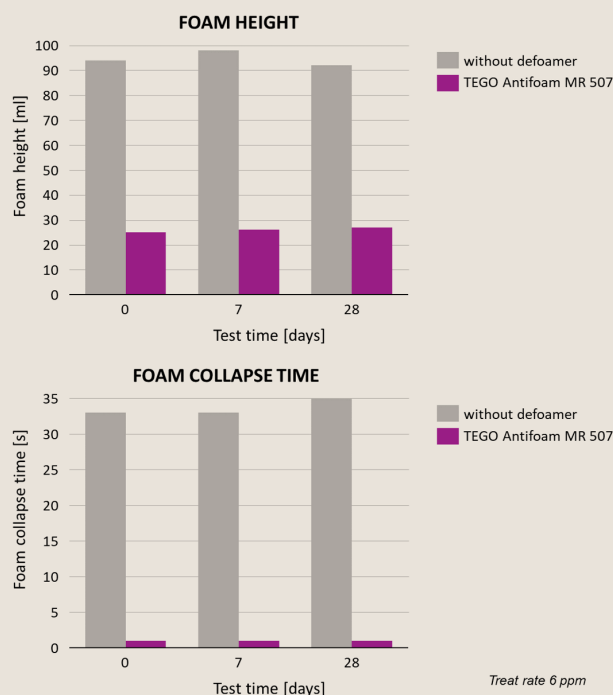
Excellent water shedding properties could be achieved by using a sulphur-free demulsifier.

Reduced treat rate

Compared to conventional antifoams based on polyether siloxanes, TEGO® Antifoam MR 507 proved to be much more efficient resulting in strongly reduced treat rates.

Compatibility in additive packages

TEGO® Antifoam MR 507 may be incorporated into diesel additive packages requiring only small amounts or even no additional use of solvents, i. e. TEGO® Antifoam MR 507 supports the formulation of low-solvent additive packages. It shows excellent compatibility with a wide range of packages, regardless the solvent base, detergents, etc. TEGO® Antifoam MR 507 can be incorporated in most additive packages yielding clear and stable formulations even at temperatures as low as -20°C. If solvents have to be used conventional non-polar types (e.g. aromatic hydrocarbons) may be used.



DOSAGE

Depending on the composition of the additive package and the fuel grade the dosage of TEGO® Antifoam MR 507 may vary over a wide range. Consequently, the optimum dosage has to be evaluated in suitable test series. For first trials we recommend a dosage of 8 to 12 ppm referred to the treated fuel.

This dose rate should also be used in the case of solely adding the antifoam to the diesel fuel.

HANDLING & PROCESSING

TEGO® Antifoam MR 507 is soluble in a variety of aromatic and aliphatic solvents (e.g. long chain alcohols). This provides maximum flexibility in the formulation of diesel additive packages. Examples of suitable solvents for TEGO® Antifoam MR 507 include

- Aromatic naphtha
- Toluene
- Isodecanol
- 2-ethylhexanol
- Hexanol
- Ethanol

PACKAGING

950 kg containers

STORAGE

In original closed containers TEGO® Antifoam MR 507 can be stored at room temperatures for at least 2 years.

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

The relevant components of TEGO® Antifoam MR 507 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
Australia (AIIC)	Yes
Canada (DSL)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	No
South Korea (TCCL)	Yes
South Korea (KECL)	Yes
Philippines (PICCS)	Exempted
Türkiye (KKDIK)	Yes
Taiwan (TCSI)	Yes
USA (TSCA)	Yes

Disclaimer

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