

## Product Information

## TEGO® Antifoam MR 465

## PRODUCT DESCRIPTION

TEGO® Antifoam MR 465 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 <sup>3</sup>	1.00
Solvent		Aromatic hydrocarbon
Viscosity at 25°C	mPa·s	800

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

TEGO® Antifoam MR 465 is used as an antifoam component in the production of additive packages for diesel fuel.

Furthermore, TEGO® Antifoam MR 465 may be used for foam control in various other non-aqueous applications, e.g. lubricants.

## Product Composition

Product Composition	Unit	Value
Active Content	wt%	78-82
Silicone Rubber Content	wt%	8.0-9.0

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

Resulting from its special modification TEGO® Antifoam MR 465 outperforms conventional products for the formulation of diesel additive packages in many respects.

## Efficiency in dry and wet fuel

TEGO® Antifoam MR 465 reduces substantially and reliably both, foam collapse time and initial foam height.

TEGO® Antifoam MR 465 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.

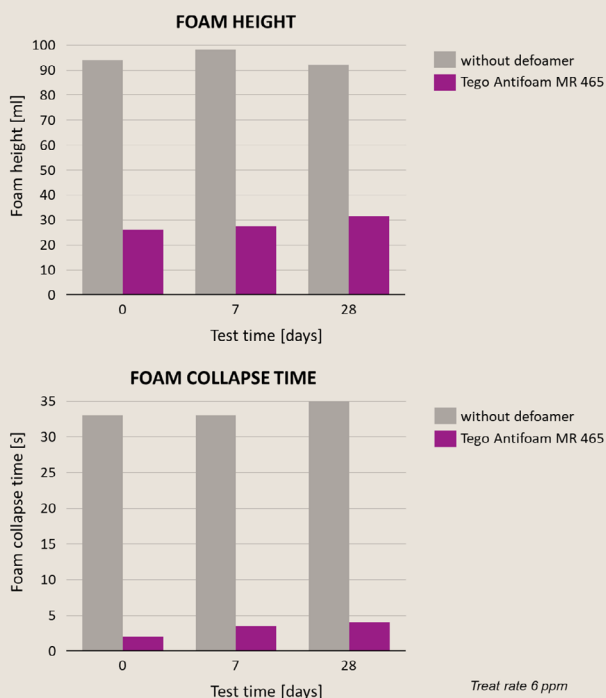
## Reduced treat rate

Compared to conventional antifoams based on polyether siloxanes, TEGO® Antifoam MR 465 proved to be much more efficient resulting in strongly reduced treat rates.

## Compatibility with additive packages

TEGO® Antifoam MR 465 may be incorporated into diesel additive packages requiring only small amounts or even no additional use of solvents, i. e. TEGO® Antifoam MR 465 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 465 can be incorporated in most additive

packages yielding clear and stable formulations even at temperatures as low as -20°C



## DOSAGE

Depending on the composition of the additive package and the fuel grade the dosage of TEGO® Antifoam MR 465 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 6 to 8 ppm referred to the treated fuel.

## HANDLING & PROCESSING

TEGO® Antifoam MR 465 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

Pallet size: 4 x 200 kg = 800 kg

12 x 25 kg = 300 kg

1 000 kg containers

Batch size approx. 4 000 kg

## STORAGE

In original closed containers TEGO® Antifoam MR 465 can be stored at room temperatures for at least 1 year.

## 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 465 are listed/registered or exempt in the following chemical inventories:

### Registration Listings

Registry	Status
Australia (AICIS)	Yes
Canada (DSL)	Yes
European Union (EINECS/ELINCS)	Yes
Korea (KECL)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

#### Disclaimer

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