

# TEGOPREN® 5851

## Product description

TEGOPREN® 5851 is a 100 % active defoamer based on organo-modified siloxanes.

## Physical properties

Viscosity @ 25 °C	330–570 mPas
Density @ 25 °C	1.045 – 1.065 g/ml
Cloud point (1 % solution)	61 – 67 °C
Type	non-ionic
Active content	100 %
Flash point	> 85 °C
Refractive index @ 25 °C	1.447 – 1.452
Surface tension @ 25 °C (0.1 % in water)	approx. 30 mN/m
Appearance/color at room temperature	liquid, colorless to pale straw

## Application

TEGOPREN® 5851 is used as an antifoam in multi-functional diesel fuel additive packages.

TEGOPREN® 5851 is used for formulating stable, low foaming neat metal working fluids (MWF).

TEGOPREN® 5851 is further used as lubricant in textile auxiliary formulation.

TEGOPREN® 5851 can also be used in other lubricating oils (e.g. Transmission fluids and Industrial fluids).

TEGOPREN® 5851 can either be blended directly into the oil or diesel fuel or used as part of an additive package.

## Benefits / Properties

- TEGOPREN® 5851 provides good foam knock down and hold down properties.
- TEGOPREN® 5851 is free of silicone oils. Therefore, it has no adverse effect on the finishing process (painting/electroplating etc.) of the treated parts.
- TEGOPREN® 5851 has no negative impact on air release properties of lubricating oils.
- TEGOPREN® 5851 is highly compatible.
- In textile application TEGOPREN® 5851 reduces fibre and fibre metal friction in spin finish application.

## Dosage and Handling

Depending on the composition of the MWF or lubricating oils and their conditions for use, we recommend a dosage of 10 – 100 ppm.

As lubricant in textile application starting concentration of 1–5% is recommended. TEGOPREN® 5851 might also be pre-diluted before used. Suitable solvents are for example glycols.

## Registration

The ingredients of TEGOPREN® 5851 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ECL, ENCS, AICS, PICCS, NZIOC and China

### Storage stability

In original closed containers TEGOPREN® 5851 can be stored for at least 12 months.

### Packaging

210 kg steel drums

Pallet size: 4 x 210 kg = 840 kg

6 x 50 kg = 300 kg

1 000 kg container

### 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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### Trademark notice and legal notice

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