

# TEGOPREN® 5863

## Product description

TEGOPREN® 5863 is a polyether siloxane. It is a non-ionic product with 100 % active content.

## Physical properties

Appearance	liquid, colourless to pale straw/brownish
Viscosity	2 000 – 3 400 mPas
Cloud point	41 – 45 °C
Density	1.03 – 1.05 g/ml
Refraction index	1.445 – 1.455
Flash point	> 65 °C
Surface tension 0.1 % in water	approx. 31 mN/m

## Application fields

In paper application TEGOPREN® 5863 is recommended as defoamer booster for mineral or silicone oil based pulp defoamers and as emulsifier and booster for paper mill defoamers based on fatty alcohols.

In textile application TEGOPREN® 5863 is recommended as lubricant and wetting/spreading agent in non-polar systems.

It is suitable for the treatment of fibers or fabrics applied by padding.

TEGOPREN® 5863 provides good sew ability and lubricity.

It can be used alone or in combination with other organo modified siloxanes or organic based surfactants.

## Benefits

TEGOPREN® 5863 is a non-flammable highly concentrated product.

Used as booster TEGOPREN® 5863 improves the knock down and hold down time of defoamer based on mineral or silicone oil for pulp mill application.

TEGOPREN® 5863 improves the washer efficiency in pulp processing.

TEGOPREN® 5863 is water dispersible and due to its non-ionic nature is compatible with all kind of chemicals usually used in textile applications.

TEGOPREN® 5863 is non-yellowing and also works as a W/O emulsifier.

## Dosage/Handling

0.15 – 1 % TEGOPREN® 5863 is added to mineral oil based pulp mill defoamer.

0.25 – 2 % TEGOPREN® 5863 is added to silicone oil based pulp mill defoamer.

TEGOPREN® 5863 can be applied as single component from pre-formulated emulsions or in combination with other products. As single component or formulated with other non-ionic products TEGOPREN® 5863 has to be applied by padding.

Dosage depends on the application and specific formulation in use, as well as on the required performance.

### Registration status

The components of TEGOPREN® 5863 are listed in the following inventories:

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

### Storage stability

12 months in original sealed containers at room temperature.

### Packaging

50 kg plastic drums  
Pallet size: 9 x 50 kg = 450 kg  
200 kg steel drums  
Pallet size: 4 x 200 kg = 800 kg  
950 kg plastic containers

### 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.

07/2016

### Trademark notice and legal notice

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(Status: July 2015)

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