

## Technical Information

## 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 - 1.0 % TEGOPREN® 5863 is added to mineral oil-based pulp mill defoamer.

0.25 - 2.0 % 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

12 x 25 kg

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.

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