

# TEGOPREN® 5884

## Product description

TEGOPREN® 5884 is a polyether siloxane. It is a non-ionic product with 100 % active content.

## Physical properties

Viscosity @ 25 °C	8 000–12 000 mPas max
Density @ 25 °C	1.030 – 1.050 g/ml
Cloud point (1 % solution)	68 – 74 °C
Type	non-ionic
Active content	100 %
Flash point	> 65 °C
Refractive index @ 25 °C	1.437 – 1.447
Appearance/color at room temperature	liquid, colorless to pale brownish straw

## Solubility (25 °C)

Water	soluble (very high shear)
Alcohol	soluble
Aromatics	soluble
Aliphatic h.c.	insoluble
Chlorinated h.c.	soluble
Paraffin oil	insoluble

## Application fields

In textile application TEGOPREN® 5884 is recommended as lubricant and wetting/spreading agent in non-polar systems.

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

TEGOPREN® 5884 provides good sew ability and lubricity.

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

## Dosage/Handling

TEGOPREN® 5884 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® 5884 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® 5884 are listed on the following inventories:

EINCEC, TSCA, DSL, ENCS, AICS, ECL, PICCS and China

## Food Contact Compliance

TEGOPREN® 5884 can be used in accordance with BfR-Recommendation XV – Silicones even though these products are not fully covered by the description of siloxanes. The reason for this is the fact, that the XVth Recommendation only lists condensation products and no addition products. The result in chemistry is minor, Si–O–C linkage versus Si–C linkage between the polysiloxane moiety and the polyether. There are no differences in the toxicological profiles (compare family entry for Polyoxyalkyl(C2–C4) dimethylpolysiloxanes in EU Regulation 10/2011).

TEGOPREN® 5884 can be used in compliance with BfR-Recommendation XIV – Plastic Dispersions and BfR-Recommendation XXXVI – Paper and Board for Food Contact, chapter B.I.10.

## FDA § 176–210

Defoaming agents used in the manufacture of paper and paperboard.

## INCI (CTFA)

TEGOPREN® 5884 can be used as cosmetic ingredient. The INCI name is available upon request.

### Packaging

50 kg steel drums  
Pallet size: 6 x 50 kg = 300 kg  
200 kg steel drums  
Pallet size: 4 x 200 kg = 800 kg  
950 kg plastic containers

### Storage and handling

12 months in original sealed containers at room temperature.

### 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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