

# TEGOPREN® 5890

TEGOPREN® 5890 is wetting agent based on organo-modified siloxane.

## Physical properties

Appearance	clear liquid
Active content	100 %
Density (25 °C)	1.0 – 1.02 g/cm <sup>3</sup>
Viscosity , dynamic (25 °C)	160 – 230 mPas

## Application

TEGOPREN® 5890 shows excellent surface wetting in adhesive applications, where the coating of difficult substrates is required. Therefore, it is recommended for the production of transfer labels and tapes or for laminating processes.

Furthermore, it is suitable for sealant applications.

## Benefits

TEGOPREN® 5890 is a solvent free easy to handle liquid.

Due to its non-ionic nature it is compatible with cationic, anionic, non-ionic and amphoteric surfactants.

Due to the special selection of active ingredients TEGOPREN® 5890 might outperform, depending on the formulation and application, conventional wetting agents such as sulfosuccinates in foam (inhibiting) behaviour.

## Dosage

Depending on the application the recommended dosage of TEGOPREN® 5890 may vary between 0.03 % and 1.0 %. Suitable screening test should be performed with 0.1 % – 0.3 %.

For adhesive applications a standard dosage of 0.1 – 0.6 % is recommended. For the wetting of critical substrates or an improved penetration it is recommended to use 0.3 – 0.6 %.

## Food contact status

### BfR Recommendations

TEGOPREN® 5890 can be used in compliance with the XIVth Recommendation (Plastics Dispersions) of the BfR. Polymer dispersions that comply with the XIVth Recommendation may be used in compliance with the Recommendation XXXVI (Paper and board for food contact – B.I.10 Sizing agents).

### European Regulation 10/2011 and amendments

All ingredients of TEGOPREN® 5890 are covered by the European Regulation 10/2011. Detailed information is available on request.

### FDA Regulations

TEGOPREN® 5890 complies with 21 CFR 176.210 (Defoaming agents used in the manufacture of paper and paperboard) and 21 CFR 175.105 (Adhesives).

### Registration status

The components of TEGOPREN® 5890 are listed in the following chemical inventories:

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

### Storage stability

TEGOPREN® 5890 is stable in closed containers for a minimum of 12 months.

### Packaging

200 kg PE drum (800 kg each pallet)

### 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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