

Product Information

# TEGOPREN® 5806

## PRODUCT DESCRIPTION

TEGOPREN® 5806 is a polyether siloxane that exhibits excellent spreading properties and significantly reduces surface tension in aqueous solutions. It is a non-ionic product with 100 % active content.

### Typical Properties

| Property                                | Unit                         | Value  |
|-----------------------------------------|------------------------------|--------|
| <b>Appearance</b>                       |                              | liquid |
| <b>Density</b><br>at 20°C               | - 1,02 g/<br>cm <sup>3</sup> | 1.01   |
| <b>Flash Point</b>                      | °C                           | ≤100   |
| <b>Pour Point</b>                       | °C                           | -2     |
| <b>Surface Tension</b><br>0.1% in Water | mN/m                         | 22     |
| <b>Viscosity</b><br>at 20°C             | - 80 mPa·s                   | 30     |

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

Apart from its extraordinary reduction of surface tension in aqueous solutions, the main property of TEGOPREN® 5806 is super spreading. This is the fast coverage of large hydrophobic surface.

TEGOPREN® 5806 shows excellent surface wetting in adhesive application, where the coating of difficult substrates is required. Furthermore, it is recommended for curtain coating applications.

The improvement of penetration into paper or its wetting of fibres, make TEGOPREN® 5806 suitable for adhesives used in the paper, wood and furniture market as well as for non-wovens and hygiene products.

### Product Composition

| Product Composition   | Unit | Value |
|-----------------------|------|-------|
| <b>Active Content</b> | wt%  | 100   |

The data represents typical values (no product specification)

## BENEFITS & ADVANTAGES

TEGOPREN® 5806 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

The use of small amounts of TEGOPREN® 5806 offers dramatic super spreading due to its ability to greatly reduce surface tension in aqueous solutions and of water-based systems in general.

It therefore enhances the spreading on non-polar and hydrophobic surfaces e. g. polypropylene.

## DOSAGE

Depending on the application the recommended dosage may vary between 0.05% and 0.7%. Suitable screening test should be performed with 0.3%.

## HANDLING & PROCESSING

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## PACKAGING

1 000 kg plastic containers

## SHELF LIFE

4 years in original sealed containers at room temperatures.

## HAZARDOUS SUBSTANCE

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.

### Registration Listings

#### Registry

#### Status

**Australia (AIIC)**

Yes

**Canada (DSL)**

Yes

**China (IECSC)**

Yes

**EU (EINECS/ELINCS)**

Yes

**Japan (ENCS)**

Yes

**South Korea (KECL)**

Yes

**Philippines (PICCS)**

Yes

**USA (TSCA)**

Yes

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