

# Silcolapse® 801

## Silicone Antifoam Compound

November 2017

### Description

**Silcolapse® 801** is a 100% active high viscosity defoamer compound containing polydimethylsiloxane oil and silica.

It is a new generation high performance antifoam specially developed to control foam in aggressive foaming media..

### Applications

**Silcolapse® 801** is multi-purpose; it is designed for formulating silicone defoamer emulsions. It can be used in many applications, for instance:

- **Pulp industry:** recommended for use in the various processing steps (cooking, washing, screening, bleaching and sewage treatment).
- **Detergency:** liquids and powdered detergent, soap.
- **Chemicals:** distillation, extraction, filtration.

**Silcolapse® 801** is particularly effective in highly foaming systems.

**Silcolapse® 801** can be used in emulsion form or as a booster to silicon and/or organic components. In the last case, compatibility of **Silcolapse® 801** with the organic system must be previously checked.

### Advantages

- Excellent defoaming efficiency with long lasting foam control performance.
- High efficiency in alkaline conditions and at high temperature.
- Low dose efficiency, at around 1 to 100 mg per kg of system to be defoamed.
- Chemically inert regarding the substance to be defoamed therefore leaving its properties unchanged.
- Pulp washing efficiency and pulp quality are improved.
- Excellent pulp drainage.

### Characteristics

Appearance .....	homogeneous liquid
Colour .....	Greyish white
Odour.....	none
Physical aspect.....	fluid
Active matter content, % approx .....	100
Viscosity, mPa.s, approx .....	75000
Diluents .....	aromatic, aliphatic and chlorinated hydrocarbons Polar solvents

### Instructions for use

**Silcolapse® 801** is as efficient in aqueous and anhydrous media.

**Silcolapse® 801** is normally used at concentrations between 1 and 100 mg/kg (or per litre) of system to be defoamed.

**Silcolapse® 801** can be diluted:

- In aliphatic, aromatic hydrocarbons, chlorinated hydrocarbons, when used in anhydrous media.
- In some ketones (methylethylketone or methylisobutylketone), alcohols (tertiary butanol, dodecanol-1 or ethyl-2hexanol...), when used in aqueous media.

**Silcolapse® 801** can be formulated into an emulsion by using commercially available emulsifiers.

# Silcolapse® 801

## FDA Regulatory Information

**Silcolapse® 801** is normally delivered in 1000 kg containers.

## EPA Regulatory Information

When stored in its original unopened packaging, at a temperature of between -20°C and +50 °C, **Silcolapse® 801** may be stored for up to 12 months from the date of manufacture clearly marked on the packaging.

Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications

After prolonged storage, we recommend homogenising the product before use.

## Packaging

Please consult the Safety Data Sheet of **Silcolapse® 801**.

Visit our website [www.silicones.elkem.com](http://www.silicones.elkem.com)

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