# SILCOLAPSE® 801

**Antifoams**

## 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.

## Examples of 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>homogeneous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>greyish white</td>
</tr>
<tr>
<td>Odour</td>
<td>none</td>
</tr>
<tr>
<td>Physical aspect</td>
<td>fluid</td>
</tr>
<tr>
<td>Active matter content, % approx</td>
<td>100</td>
</tr>
<tr>
<td>Viscosity, mPa.s, approx</td>
<td>75000</td>
</tr>
<tr>
<td>Diluents</td>
<td>aromatic, aliphatic and chlorinated hydrocarbons, polar solvents</td>
</tr>
</tbody>
</table>

## Processing

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.
Processing
SILCOLAPSE 801 can be diluted:
- In aliphatic, aromatic hydrocarbons, chlorinated hydrocarbons, when used in anhydrous media.
- In some ketones (methyllethylketone 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.

Packaging
SILCOLAPSE 801 is normally delivered in 1000 kg containers.

Storage and shelf life
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, Bluestar Silicones no longer guarantees that the product meets the sales specifications.
After prolonged storage, we recommend homogenising the product before use.

Safety
Please consult the Safety Data Sheet of SILCOLAPSE 801.

Visit our website www.bluestarsilicones.com

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