

# Silcolapse<sup>®</sup> 490

## Defoamers

November 2017

<b>Description</b>	<b>Silcolapse<sup>®</sup> 490</b> is a defoamer compound containing polydimethylsiloxane oil and silica.
<b>Features</b>	<p><b>Silcolapse<sup>®</sup> 490</b> is multi-purpose:</p> <ul style="list-style-type: none"> <li>• <b>Pulp industry:</b> recommended for use in the various processing steps (cooking, washing, screening, bleaching and sewage treatment).</li> <li>• <b>Detergency:</b> liquids and powdered detergent, soap.</li> <li>• <b>Chemicals:</b> distillation, extraction, filtration.</li> </ul> <p><b>Silcolapse<sup>®</sup> 490</b> is particularly effective in highly foaming systems</p> <p><b>Silcolapse<sup>®</sup> 490</b> can also be used in emulsion form or as a booster to silicon and / or organic foam-control agents. In the last case, compatibility of <b>Silcolapse<sup>®</sup> 490</b> with the organic system must be previously verified.</p>
<b>Examples of Applications</b>	<ul style="list-style-type: none"> <li>• Good defoaming efficiency at high temperature.</li> <li>• Easy to use: it can be used as delivered, or pre-diluted in a solvent.</li> <li>• Low dose efficiency, at around 1 to 100 mg per kg of system to be defoamed.</li> <li>• High efficiency in alkaline conditions.</li> <li>• Chemically inert regarding the substance to be defoamed therefore leaving its properties unchanged.</li> </ul>
<b>Characteristics</b>	<p>Appearance..... opalescent homogeneous liquid</p> <p>Colour.....greyish white</p> <p>Odour.....none</p> <p>Active matter content, % approx.....100</p> <p>Viscosity, mPa.s, approx.....20000</p> <p>Specific gravity at 25 °C, approx.....1.0</p> <p>Thinner.....hydrocarbon solvents Water miscible solvents water dispersible solvents</p>
<b>Processing</b>	<p><b>Silcolapse<sup>®</sup> 490</b> is equally efficient in aqueous and anhydrous media. It disperses readily provided a suitable thinner is used.</p> <p><b>Silcolapse<sup>®</sup> 490</b> is normally used at concentrations of between 1 and 100 mg/kg (or per litre) of system to be defoamed.</p> <p><b>Silcolapse<sup>®</sup> 490</b> is ready to use as delivered, or it can be pre-diluted to around 1% to 10% active matter by slowly adding 99 or 90 parts of selected thinner.</p> <p><b>Silcolapse<sup>®</sup> 490</b> can be diluted:</p> <ul style="list-style-type: none"> <li>- In aliphatic, aromatic hydrocarbons, chlorinated hydrocarbons, when used in anhydrous media.</li> <li>- In some ketones (methylethylketone or methylisobutylketone), alcohols (tertiary butanol, dodecanol-1 or ethyl-2hexanol ...), when used in aqueous media.</li> </ul>
<b>Packaging</b>	<b>Silcolapse<sup>®</sup> 490</b> is normally delivered in 1000 kg containers.

# Silcolapse® 490

**Storage and shelf life** When stored in its original packaging at a temperature of between – 20°C and + 50°C, **Silcolapse® 490** may be stored for up to 18 months from its date of manufacture (expiry date). Comply with the storage instructions and expiry date written on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.

**Safety** Consult the Safety Data Sheet for **Silcolapse® 490**.

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

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