

# Silcolapse® 621

October 2017

## Silicone Antifoam Emulsion

**Description** **Silcolapse® 621** is a 10% silicone antifoam emulsion designed for use in a wide range of aqueous industrial applications. The product effectively controls foam at concentrations as low as 10 ppm solids, even at elevated temperatures and under pressure. **Silcolapse® 621** gives good results at wide-ranging pH and is particularly effective under alkaline conditions.

<b>Identification</b>	<b>Industrial</b>	<b>Synthetic Rubber Processing</b>
	<ul style="list-style-type: none"> <li>• Soap &amp; industrial detergent manufacturing</li> <li>• Plastics Recycling</li> <li>• Investment Casting</li> </ul>	<ul style="list-style-type: none"> <li>• Natural or synthetic latex</li> </ul>
	<b>Petroleum Refining</b>	<b>Paints, Inks and Varnishes</b>
	<ul style="list-style-type: none"> <li>• Gas scrubbing</li> <li>• Cement &amp; Drilling muds</li> <li>• Asphalt production</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacture of aqueous pigments dispersions</li> </ul>
		<b>Textiles</b>
		<ul style="list-style-type: none"> <li>• Sizing, Bleaching and Finishing</li> <li>• High Temperature Dyeing</li> </ul>

**Applications**

- Easy to use – as supplied or pre-diluted in water or in the medium to be defoamed
- Cost efficient, effective in doses as low as 10 ppm
- Highly effective in most aqueous media, and at many pH levels
- Chemically inert in foaming systems – will not alter the properties of the foaming medium
- Heat resistant – withstands temperatures up to 120°C (248°F)
- Low viscosity allows it to be used with automatic metering systems

### Advantages

	<u>Silcolapse® 621</u>
• Appearance	Opaque white liquid
• Silicone Actives, %	10
• Specific Gravity	1.0
• Emulsion System	Nonionic
• Product pH	7.0 – 8.5
• Diluents	Water
• Viscosity range, cPs	500 - 2000

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of SILCOLAPSE® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

**Processing** Trial tests should be carried out to determine the quantity of antifoam needed to produce best results. Testing should be started at 10 ppm and increased or decreased based on the results. If prediluting product, do not use less than 1% solids and always dilute water into silicone. Infrequently, separation can occur during transport or storage; if this occurs, agitate gently until homogeneous.

**Storage and shelf life** **Silcolapse® 621** is available in bulk, 1000 kg totes, 200 kg drums and 20 kg pails.

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### Safety

When stored in the original, unopened container between (5-40°C), **Silcolapse® 621** can be stored for 9 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the original sales specifications.

### Packaging

Please read the product label for **Silcolapse® 621** and consult the Safety Data Sheet (SDS) before handling to review hazards as well as safe handling and storage information. If you need to obtain the SDS for Silcolapse® 621, please contact your Elkem Silicones representative.

**Silcolapse®** is a registered Trademark of **Elkem SILICONES**

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#### **Warning to the users**

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