

Silcolapse® 496

Antifoam Emulsion

November 2017

Description	Silcolapse® 496 is a high performance silicone antifoam emulsion designed for use in severe environmental storage conditions and 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® 496 gives good results at wide-ranging pH and is effective under highly alkaline or acidic conditions. The emulsion is freeze-protected to less than -10°C and is stable upon thawing even after repeated freeze thaw cycles below -40°C															
Applications	Oil & Gas <ul style="list-style-type: none"> Numerous processes up and downstream dispersions Drilling, Oil Sands & Fracking Refining and Transport Processes 	Paints, Inks and Varnishes <ul style="list-style-type: none"> Manufacture of aqueous pigment Water Treatment Pulp & Paper														
Features	<ul style="list-style-type: none"> 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 med. Heat resistant – withstands temperatures up to 120°C (248°F) Can be used with automatic metering systems 															
Characteristics	<table border="1"> <tr> <td>• Appearance</td> <td>grey liquid</td> </tr> <tr> <td>• Silicone Actives, %</td> <td>25</td> </tr> <tr> <td>• Specific Gravity</td> <td>~1.0</td> </tr> <tr> <td>• Emulsion System</td> <td>nonionic</td> </tr> <tr> <td>• Product pH</td> <td>6.0 – 8.0</td> </tr> <tr> <td>• Diluents</td> <td>water</td> </tr> <tr> <td>• Viscosity range (20°C), cPs</td> <td>2000 - 4000</td> </tr> </table> <p><small>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.</small></p>		• Appearance	grey liquid	• Silicone Actives, %	25	• Specific Gravity	~1.0	• Emulsion System	nonionic	• Product pH	6.0 – 8.0	• Diluents	water	• Viscosity range (20°C), cPs	2000 - 4000
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Processing	<p>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.</p> <p>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.</p>															
Packaging	Silcolapse® 496 is available in 200 kg drums and 1000 kg totes.															
Storage and shelf life	When stored in the original, unopened container between (-10 and 50°C), Silcolapse® 496 can be stored for 12 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the original sales specifications.															
Safety	Please read the product label for Silcolapse® 496 and consult the Safety Data Sheet (SDS) before handling to review hazards as well as handling and storage information. If you need to obtain the SDS for Silcolapse® 496 please contact your Elkem Silicones representative.															

Visit our website www.silicones.elkem.com

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