

Description	SILCOLAPSE 482 is a defoamer compound containing polydimethylsiloxane oil and silica.
Examples of applications	<p>SILCOLAPSE 482 is multi-purpose :</p> <ul style="list-style-type: none"> • Crop protection products: product formulation (emulsifiable concentrates and aqueous dispersions). It is exempted from tolerance under chapter 40 CFR 180.920 for crop protection and 40 CFR 180.930 for animal food. • Detergency: liquids and powdered detergent, surfactants. • Pulp Industry: Kraft or Sulfite process. • Chemicals: distillation, extraction, filtration ...
Key benefits	<ul style="list-style-type: none"> • Good efficiency at high temperature. • Easy to use: it can be used as delivered, or emulsified with usual surfactants of silicone antifoam emulsions. • High efficiency at alkaline pH. • Low dose efficiency, at around 1 to 100 mg per kg of system to be defoamed. • Chemically inert with regards to the substance to be defoamed therefore leaving its properties unchanged.

Typical properties	Appearance	opalescent homogeneous liquid
	Colour	white to beige
	Odour	none
	Active matter content, %, approx	100
	Specific gravity at 25°C, approx	1.0
	Thinner	hydrocarbon solvents, watersolubles solvents, waterdispersibles solvents

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	<p>SILCOLAPSE 482 is efficient both in aqueous and in anhydrous media. It disperses readily provided a suitable thinner is used.</p> <p>SILCOLAPSE 482 is normally used at concentrations of between 1 and 100 mg/kg of system to be defoamed.</p> <p>SILCOLAPSE 482 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>SILCOLAPSE 482 can be diluted in solvent of silicone oil.</p> <ul style="list-style-type: none"> • In anhydrous media: aliphatic, aromatic hydrocarbons, chlorinated hydrocarbons. • In aqueous media: in this case thinner should be either watersoluble or waterdispersible such as : <ul style="list-style-type: none"> • Certain ketones : methylethylketone or methylisobutylketone. • Certain alcohols: tertiary butanol , dodecanol-1 or ethyl2hexanol... • Certain ethers: ethyl ether or isopropylether.
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Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none"> • SILCOLAPSE 482 is available in <ul style="list-style-type: none"> ○ Pallet of 1000 KG (2205 LB)

SILCOLAPSE 482

Technical Data Sheet n° 58-V3 – 2019/11/15

- Drum of 200 KG (441 LB)

Storage and shelf life	When stored in its original packaging: SILCOLAPSE 482 may be stored at temperatures between -5°C / 23°F and 40°C / 104°F for up to 18 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Safety	Please consult the Safety Data Sheet of: SILCOLAPSE 482

Visit our website www.silicones.elkem.com

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.