

Description SILCOLAPSE 120 is a 100% active compound containing polydimethylsiloxane oil and silica with an excellent behaviour in a large range of pH. SILCOLAPSE 120 is mainly intended for treatment of organic and anhydrous foaming systems. It can also be used in aqueous medium. SILCOLAPSE 120 is designed exclusively for industrial use.

Examples of applications SILCOLAPSE 120 has numerous industrial applications in such fields as:

- Chemicals: Distillation, extraction, evaporation, dissolution, filtration...
- Manufacture of paints, inks and varnishes.
- Pulp Industry: formulation ingredient.
- Oil: Alkanolamine washing of natural or refinery gases.
- Detergency: liquids and powdered detergent, surfactants detergents and soaps.
- Manufacture of adhesives and glues.
- Metallurgy: additive for soluble oils.

Key benefits

- Ease of use: it can be used as supplied, or prediluted in a solvent. It disperses readily in most media. The product can be used with automatic injection systems.
- Efficient both in aqueous and in anhydrous media.
- Low dose efficiency of around 1 to 100 mg per kg of system to be defoamed.
- Chemically inert with regards to the system to be defoamed.

Typical properties

	SILCOLAPSE 120
Color	Beige
Dry content	100 %
Viscosity	1600 mm ² /s

Aspect..... cloudy liquid
 Colour..... beige
 Odour..... nil to infinitesimal
 Viscosity, at 25°C, approx..... 1600 mPa.s
 Active ingredient content, %, approx..... 100
 Specific gravity at 25°C, approx..... 1.0
 Emulsifiers..... none
 Effective concentration..... 1 to 100 mg/kg
 Diluents..... aromatic, aliphatic and chlorinated hydrocarbons,
 Polar 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.

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Instruction of use

SILCOLAPSE 120 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.

The thinners suitable for use with SILCOLAPSE 120 are those that are solvents of its liquid silicone base, and must be soluble, or at least dispersible, in the medium to be defoamed.

In anhydrous media, we recommend aromatic, aliphatic or chlorinated hydrocarbons.

In aqueous media, we recommend thinners that are soluble or dispersible in water, such as:

- Ketones: methyl ethyl ketone, methyl isobutyl ketone...
- Alcohols: 2-ethyl hexanol, terbutanol, 1-dodecanol...
- Ethers: ethyl ether, isopropyl ether...

Methanol, isopropanol, ethylene glycol, propylene glycol, glycerine, are not recommended for diluting SILCOLAPSE 120, as they are not solvents of the silicone oil in the compound.

Remarks:

- Prior dilution tests are recommended in all cases before any operation on an industrial scale.

- The colloidal filler in the compound may cause cloudy dilutions.

- The diluted antifoam can be held in a tank for long period without detriment but it should be kept in uniform suspension by means of continuous slow stirring.

Users should make systematic tests to determine the optimum concentration of SILCOLAPSE 120, which generally depending on the type of process and the conditions under which it is carried out, pH, temperature, foaming agents, etc...

Packaging

- SILCOLAPSE 120 is available in
 - Drum of 200 KG (441 LB)
 - Pallet of 1000 KG (2205 LB)

Storage and shelf life

When stored in its original packaging:

SILCOLAPSE 120 may be stored 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.

Regulation

Please consult your local ELKEM SILICONES sales office.

Limitations

Please consult your local ELKEM SILICONES sales office.

Safety

Please consult the Safety Data Sheet of:
SILCOLAPSE 120

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.

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