

**Description** **SILCOLAPSE 5020** is a non-ionic aqueous emulsion containing dimethylpolysiloxane, and is highly effective for prevention, control and elimination of foam in aqueous media.  
**SILCOLAPSE 5020** contains 20% of active ingredient and is designed for industrial uses.  
 Other specialized defoaming agents exist for use in food contact please consult us about them.

**Examples of applications** **SILCOLAPSE 5020** can be used in industries such as:

**Chemical:**

Detergents and cleaners rubber latex, cutting oil formulations water-based printing inks adhesive formulations.

**Water treatment:**

Biological step.

**Agrochemicals:**

**SILCOLAPSE 5020** can be used to control foam formed during manufacture and in the end-use application of many agrochemical formulations.

- Emulsifiable concentrates
- Suspension concentrates
- Water-dispersible granules
- Wettable powders.

**Key benefits**

- Easy dispersion in aqueous media.
- High foam control capability in a wide variety of foaming media.
- Homogeneous and stable emulsion.
- Chemically inert with regards to the medium to be defoamed....

**Typical properties**

	SILCOLAPSE 5020
Color European Pharmacopea	White
Dry content	27 %
pH ISO 976	3.75

Aspect..... milky liquid with a creamy consistency  
 Colour..... white  
 Dry content, % approx..... 27  
 Active ingredient content, % approx..... 20  
 Specific gravity at 25°C, approx..... 1.0  
 Emulsifiers..... non ionic  
 Diluents water

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

# SILCOLAPSE 5020

Technical Data Sheet n° 899-V2 – 2018/11/05

<b>Instruction of use</b>	<p><b>SILCOLAPSE 5020</b> can be used as delivered, or pre-diluted in water or in the foaming medium. In this case, the water is added to the antifoam slowly with slight stirring (do not use high shear mixers).</p> <p>It is recommended not to dilute it less than 1% active material content. Check the dilution stability.</p> <p>The dilution thus obtained can be stored for 24 hours.</p> <p><b>SILCOLAPSE 5020</b> is normally used at concentrations comprised between 10 and 500 mg per kg of the medium to be defoamed.</p> <p>The amount of <b>SILCOLAPSE 5020</b> required for a particular foam problem depends on several factors, which are:</p> <ul style="list-style-type: none"><li>- Surfactant type</li><li>- Surfactant concentration</li><li>- pH</li><li>- Temperature</li><li>- Degree of agitation/aeration.</li></ul> <p>Each foam problem tends to be unique, sometimes to a particular process or product and even to a specific plant.</p> <p>Small surfactant molecules are more readily displaced from bubble lamella than from large protein or synthetic polymer molecules, hence the latter often require higher concentrations of antifoam to achieve good foam control.</p> <p>Methods of addition:</p> <p>It is better to add <b>SILCOLAPSE 5020</b> to the medium before than foam appears, but it can also be added later to eliminate and control foam. Continuous addition is made using a metering pump or by gravity.</p>
---------------------------	---

<b>Packaging</b>	<ul style="list-style-type: none"><li>• SILCOLAPSE 5020 is available in<ul style="list-style-type: none"><li>○ Pallet of 1000 KG (2205 LB)</li><li>○ Drum of 200 KG (441 LB)</li><li>○ Pail of 25 KG (55.13 LB)</li></ul></li></ul>
------------------	---

<b>Storage and shelf life</b>	<p>When stored in its original packaging:</p> <p>SILCOLAPSE 5020 may be stored at a temperature between 2 °C/ 36 °F and 30 °C/ 86 °F for up to 15 months from its date of manufacturing.</p> <p>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.</p>
-------------------------------	---

<b>Regulation</b>	Please consult your local ELKEM SILICONES sales office.
-------------------	---

<b>Limitations</b>	Please consult your local ELKEM SILICONES sales office.
--------------------	---

<b>Safety</b>	Please consult the Safety Data Sheet of: SILCOLAPSE 5020
---------------	---

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

# SILCOLAPSE 5020

Technical Data Sheet n° 899-V2 – 2018/11/05

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.