

SILCOLAPSE® 5001

February 1998

TECHNICAL DATA SHEET
Cancels and replaces SIL 91 164 3**Description**

SILCOLAPSE 5001 is a highly active general-purpose silicone antifoam emulsion. It is very economical in use, and is effective in a very wide range of aqueous systems. Amongst other applications it is used to control foam in textile dyeing and finishing processes, cutting oils, detergent washing, distillation processes and various chemical manufactures.

Characteristics

- Appearance.....smooth, white, free-flowing emulsion
- Emulsion type.....oil-in-water
- Emulsifier type.....non-ionic
(slight anionic character is imparted by the stabiliser)
- Density at 25°C, g/cm³, approx..... 1
- Viscosity ^(a) mPa.s.....350-600
- Active silicone content, % w/w.....10
- Suitable diluent.....water, below 30°C
and of hardness less than 50 ppm as CaCO₃
i.e.2.8°d or 5°f

(a) Brookfield RV, speed 20, spindle 2

Processing

SILCOLAPSE 5001 is added directly to the foaming system in any convenient way. As a general rule, the most effective and economical foam control is obtained where **SILCOLAPSE 5001** can be added to the system at a point before the foaming tends to occur, rather than by using **SILCOLAPSE 5001** to destroy the foam after it has been formed.

Dilution and storage

SILCOLAPSE 5001 disperses readily in aqueous systems. Further dilution is not necessary. If for any reason it is necessary to dilute the product (for example to obtain greater bulk for dispensing low dosages) dilution can readily be carried out using clean, preferably soft, water. However, such dilutions have very limited storage stability and soon suffer emulsion breakdown ; they must be used as soon as possible, at the latest within 24 hours of preparation.

Processing (cont'd)**Amount to use**

SILCOLAPSE 5001 is intended to be used as supplied. Dilution is not necessary. The optimum dosage - which will vary with the severity of foaming conditions and individual foaming systems - can be found by direct trial.

Initial trial dosages of about 100 ppm (equivalent to 10 ppm based on active silicone compound) are recommended, i.e. **SILCOLAPSE 5001**, 1 litre, for each 10,000 litres of unfoamed volume of system to be treated.

Packaging

SILCOLAPSE 5001 is supplied in 25 and 200 kg drums and in 1T containers.

Storage and shelf life

When stored in its original packaging at a temperature of between + 2°C and + 30° C, **SILCOLAPSE 5001** may be stored for up to 9 months from its date of manufacture (expiry date). Comply with the storage instructions and expiry date marked on the packaging. Past this date, Rhodia Silicones no longer guarantees that the product meets the sales specifications.

Safety

Consult the Safety Data Sheet for **SILCOLAPSE 5001**

Warning to 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.

RHODIA 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 a given use.

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 RHODIA SILICONES is at their disposal to supply any additional information.



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