

Silcolapse® A

Food – Industrial Process Aid

November 2017

Description	<p>Silcolapse® A is a 100% active compound based on Polydimethylsiloxane oil and silica.</p> <p>This product is mainly intended for treatment of anhydrous and aqueous foaming systems and has many applications in industry and food.</p>
Features	<ul style="list-style-type: none"> • Chemistry and Oil: <ul style="list-style-type: none"> • Distillation, extraction or evaporation operations. • Manufacture of adhesives and glues. • Various applications. • Food: <p>In food industry, there are 3 cases:</p> <ol style="list-style-type: none"> 1. “Technologic Auxiliaries” in compliance with French Regulation (JO / Brochure 1227 – Decree 19/10/2006). The introduced product must be separated from final food by different processes (distillation, crystallization...). <p>Silcolapse® A can be used as “technologic Auxiliary” subject to DGCCRF authorization.</p> <ol style="list-style-type: none"> 2. “Food Contact” in conformity with legislations: <ul style="list-style-type: none"> - FDA - CFR 21 - chapter 173.340 - Defoaming agent / Secondary direct food additive (USA). - AP 2004(5) resolution – directive 2002/72/CE, as plastics additives (Europe). BFR chapter XIV and XXXVI (Germany). - JO / Brochure 1227, as plastics additives (France). <p>Silcolapse® A can be used as “Food contact”.</p> 3. “Food additives” which remain inside final food. <p>Silcolapse® A cannot be used as “food additive”.</p> • Fermentation
Advantages	<ul style="list-style-type: none"> • Very high foam control capability. • Easy to use: it can be used as delivered or pre-diluted in a solvent or in part of the foaming system. • Easy to disperse in most anhydrous and aqueous foaming systems. • Outstanding behaviour in alkaline systems. • 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.....
Characteristics	<p>Aspect opalescent liquid</p> <p>Colour grey white</p> <p>Odour none to infinitesimal</p> <p>Viscosity, at 25°C, approx..... 2000 mPa.s</p> <p>Dry content, % approx.100</p> <p>Specific gravity at 25°C, approx.1.0</p>

Silcolapse® A

Emulsifiers	none
Diluents	aromatic, aliphatic and chlorinated hydrocarbons Polar solvents
Effective concentration, mg/kg.....	1 to 100

Processing

Silcolapse® A is as efficient in aqueous as in anhydrous systems. It can easily be dispersed in these systems as long as the appropriate diluent is used.

Silcolapse® A is normally used at concentrations of between 1 and 100 mg/kg of system to be defoamed. It can be used as it is, or if necessary be diluted to a concentration varying between 1 and 10% (slowly add 99 or 90 parts of the chosen diluent to between 1 and 10 parts of **Silcolapse® A**).

Silcolapse® A can also be emulsified with non ionic surfactants like stearates.

Packaging

Silcolapse® A is delivered in the following packaging: 1000 kg.

Storage and shelf life

When stored in its original unopened packaging, at a temperature of between -20°C and +40°C, **Silcolapse® A** may be stored for up to 18 months from the date of manufacture clearly 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® A**.

Visit our website www.silicones.elkem.com

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