

# Silcolapse® 416

## Silicone defoamer

November 2017

<b>Description</b>	<b>Silcolapse® 416</b> is a compound based on polydimethyl siloxane oil and silica. It has the characteristic of being easy to disperse in most foaming mediums.
<b>Examples of applications</b>	<ul style="list-style-type: none"> <li>• Chemicals: Polymerization (latex)</li> <li>• Metallurgy: additive for soluble oils</li> <li>• Paints, inks and varnishes: manufacture, packaging</li> <li>• Water treatment</li> <li>• Pesticides where there is non-food contact use</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• <b>Very easy to use:</b> <b>Silcolapse® 416</b> is self-dispersing; prior dilution is unnecessary to disperse it in foaming mediums. The product's very low viscosity enables its use with automated injection devices.</li> <li>• <b>Low dose efficiency:</b> this antifoam is effective at low concentrations. Often doses as low as 1 to 100 mg per kg of substance to be defoamed are all that is required.</li> <li>• <b>Chemically inert</b> with regards to the substance to be defoamed; it therefore does not alter product properties.</li> </ul>

### Typical Properties

#### Typical Properties

• Appearance	Milky, White Liquid
• Specific Gravity	1.0
• Odor	slight
• Dry matter content, %, approx	100
• Specific gravity at 25 °C, approx	1.0
• Effective concentrations, mg/kg	1 to 100

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Silcolapse® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

<b>Instructions for use</b>	<b>Silcolapse® 416</b> is ready to use as delivered, since it is easy to disperse in foaming liquids. However, should more accurate dosage be required, it may then be useful to pre-dilute it in either the liquid to be defoamed or in a solvent.
-----------------------------	---

### Regulatory information

#### **FDA Status**

The Ingredients in **Silcolapse® 416** are permitted for FDA as follows:

- 21 CFR 175.105 Adhesives
- 21 CFR 175.300 Resinous and polymeric coatings
- 21 CFR 175.320 Resinous and polymeric coatings for polyolefin films
- 21 CFR 176.180 Component of paper and paperboard in contact with dry food
- 21 CFR 176.200 Defoaming agents used in coatings

#### **EPA regulations**

**Silcolapse® 416** is for Nonfood Use Only on EPA's Ag inert database

# Silcolapse® 416

<b>Storage and shelf life</b>	<b>Silcolapse® 416</b> may be stored for up to 18 months from its date of manufacture (expiration date) when stored in its original unopened packaging at a temperature of between –20°C and +40°C. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
<b>Safety</b>	Please read the container labels for <b>Silcolapse® 416</b> or consult the Material Safety Data Sheet (MSDS) before handling for safe use, physical and health hazard information. The MSDS is not included with the product packaging, but can be obtained by contacting Elkem Silicones at 866474-6342 or consult your Elkem Silicones representative.
<b>Packaging</b>	<b>Silcolapse® 416</b> is available in 200 or 1000 kg containers

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

## EUROPE

Elkem Silicones France  
21 Avenue Georges Pompidou  
F69486 Lyon Cedex 03  
FRANCE  
Tel. (33) 4 72 13 19 00  
Fax (33) 4 72 13 19 88

## NORTH AMERICA

Elkem Silicones USA  
2 Tower Center Boulevard  
Suite 1601  
East Brunswick, NJ 08816-1100  
United States  
Tel. (1) 732 227-2060  
Fax. (1) 732 249-7000

## LATIN AMERICA

Elkem Silicones Brazil Ltda.  
Av. Duquesa de Goiás, 716  
2º andar  
05680-002 Sao Paulo  
Brazil  
Tel. (55) 11 4380-6900

## ASIA PACIFIC

Elkem Silicones Hong Kong  
Trading Co. Ltd  
29th Floor, 88 Hing Fat Street  
Causeway Bay  
Hong Kong  
Tel. (852) 3106 8200  
Fax (852) 2979 0241

### 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.