

# Silcolapse<sup>®</sup> 482

## Silicone compound

November 2017

### Description

**Silcolapse<sup>®</sup> 482** is a 100% active silicone antifoam designed for use in aqueous and anhydrous media. Effective in alkaline conditions, **Silcolapse<sup>®</sup> 482** can be used in crop protection products, detergents, chemical distillation processes and pulp/ paper processing. It is intended for industrial use only, and should not be used in the manufacture of foodstuffs, cosmetics or pharmaceutical products.

### Features

- Effective in alkaline conditions
- Easy to use, either as is or pre-diluted
- Cost efficient, effective at low doses
- Chemically inert in foaming systems, will not alter the properties of the foaming medium
- Effective at high temperatures

### Examples of Applications

- **Crop Protection** – product formulations; emulsifiable concentrates and aqueous dispersions
- **Detergents** - liquids, soaps and powdered formulations
- **Pulp/ paper Industry**
- **Chemicals** – distillation, extraction, filtration

### Typical Properties

• Appearance	grayish-white, opalescent, homogeneous liquid
• Actives, %	100
• Specific Gravity	1.00
• Diluents	Hydrocarbon solvent, water-soluble/dispersible solvents

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of **Silcolapse<sup>®</sup> 482** silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

### Instructions for use

**Silcolapse<sup>®</sup> 482** is effective in aqueous and anhydrous media. It disperse readily, provided a suitable diluent is used. **Silcolapse<sup>®</sup> 482** is normally used in a concentration of between 10 and 100 mg/kg of medium to be defoamed. It can be used as supplied, but it is often preferable to predilute to a concentration of between 1 to 10%.

To do this, slowly add either 99 or 90 parts of the diluent used to 1 or 10 parts respectively of **Silcolapse<sup>®</sup> 482**.

For use in anhydrous media, the following diluents are recommended:

- *Aliphatic hydrocarbons* (hexane, heptane, white spirits)
- *Aromatic hydrocarbons* (benzene, toluene, xylene, naphtha)
- *Chlorinated hydrocarbons* (trichloroethylene, perchloroethylene, carbon tetrachloride)

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

### Regulatory Information

#### EPA Pesticide Chemical Regulations

The Ingredients in **Silcolapse<sup>®</sup> 482** are exempt from the requirement of a tolerance under EPA regulations:

- 40 CFR 180.910 pre- and post-harvest – limited to <10% of the final pesticide formulation
- 40 CFR 180.930 for use on animals – limited to <10% of the final pesticide formulation

# Silcolapse® 482

<b>Storage and shelf life</b>	When stored in the original, unopened container at or below 30°C, <b>Silcolapse® 482</b> can be stored for 18 months from the date of manufacture.
<b>Safety</b>	Product safety information required for safe use is not included. Before handling, please read the Material Safety Data Sheet (MSDS) and container labels for safe use, physical and health hazard information. To obtain a material safety data sheet for this product contact Elkem at 866-474-6342.
<b>Packaging</b>	<b>Silcolapse® 482</b> is available in 25 kg pails or 1000 kg tote containers.

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

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