



NUMBER 4543-1 (Supersedes 4543)

# Drewplus™ L-418

## Foam Control Agent

### General

Drewplus L-418 foam control agent is formulated from a blend of silica derivatives, hydrocarbons and silicones.

Drewplus L-418 foam control agent is a highly compatible silicone defoamer recommended for use in architectural paints and industrial coatings. At extremely low levels, this product is a very efficient grind defoamer in paints and as the sole antifoam agent in industrial coatings.

This defoamer has good persistency and does not adversely affect color compatibility in tint base formulations. Drewplus L-418 foam control agent can be post added at low levels and not compromise compatibility or color acceptance efficiency.

### Typical Properties <sup>(a)</sup>

Appearance.....	Opaque, white to off-white liquid
Specific Gravity .....	0.98
Density (lb/gal) .....	~8.2
Brookfield Viscosity <sup>(b)</sup> , as supplied (cps) .....	1000
Solubility.....	Readily dispersible in water
Pour Point .....	43°F (6°C)
Flash Point <sup>(c)</sup> .....	>212°F (100°C)

<sup>(a)</sup> These values should be viewed as typical and not to be regarded as specifications.

<sup>(b)</sup> RV Spindle #3, 50 rpm, @ 25°C.

<sup>(c)</sup> Pensky Martens Closed Cup (PMCC).

### Application

Drewplus L-418 foam control agent is recommended for the control of foam in synthetic latex paints typically 0.05 - 0.3 percent (half to three pounds per hundred gallons) based on total formulation weight. It is compatible with butadiene-styrene, acrylic and polyvinyl acetate systems and is extremely effective in acrylic paint systems when used in low concentrations. This product is also effective in water-borne flexographic and gravure inks. In architectural paints, Drewplus L-418 foam control agent functions as an excellent grind defoamer and widely used in tint bases requiring defoaming persistency.

In architectural paints, Drewplus L-418 foam control agent may be used as the sole defoamer; however, it generally exhibits better performance when used in combination with a conventional non-silicone defoamer. Its major end use is in flat and semi-gloss tint base formulations.

In most aqueous industrial coatings, adhesives and printing inks, Drewplus L-418 foam control agent is recommended as a sole defoamer. Drewplus L-418 foam control agent exhibits excellent antifoaming and defoaming properties in these systems.

This product may be added in the pigment grinding process or during the letdown operation. Addition of Drewplus L-418 foam control agent in the grind will not result in a loss of activity due to over emulsification.



In architectural paint formulations, the recommended addition level is 0.1 percent (one pound per hundred gallons of paint) of Drewplus™ L-418 foam control agent and 0.3 percent (three pounds per hundred gallons of paint) of a non-silicone defoamer such as Drewplus L-475 foam control agent.

In other aqueous systems, Drewplus L-418 foam control agent is usually effective at a level of 0.2 - 0.5 percent (two to five pounds per hundred gallons) based on total formulation weight.

## **Storage and Handling**

Under normal storage conditions (between 50°F / 10°C and 90° / 33°C in closed packaging), Drewplus L-418 foam control agent has good chemical stability. However, Drewplus L-418 foam control agent can exhibit separation with storage. To ensure homogeneity, it is recommended that Drewplus L-418 foam control agent be mixed / recirculated before use or sampling.

Drewplus L-418 foam control agent does not require freeze protection and will not freeze in temperatures commonly experienced in continental United States. However, viscosity will increase considerably if stored at low temperatures.

Review the Safety Data Sheet (SDS) for additional information.

## **Regulatory Information**

All components of Drewplus L-418 foam control agent are listed on TSCA and DSL chemical inventory (USA and Canada). For additional global chemical inventory information, please refer to Safety Data Sheet Section 15 or contact Ashland Product Regulatory Group. Drewplus L-418 foam control agent does not contain alkyl phenol ethoxylates (APEOs).

## **Packaging**

Drewplus L-418 foam control agent is available in 5 gallon pails, 55 gallon drums and intermediate bulk containers (IBCs). Standard 4oz (100ml) samples are available upon request.

## **Important Information**

Ashland maintains Safety Data Sheets of all of its chemical products. Safety Data Sheets contain health and safety information relevant for your development of appropriate product handling procedures to protect your employees and customers.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Ashland products in your facilities.