

NUMBER 4541

Drewplus™ L-405 *Foam Control Agent*

General

Drewplus L-405 foam control agent is formulated from a blend of silicones and silica derivatives.

Drewplus L-405 foam control agent has shown excellent defoaming and antifoaming properties in synthetic latex paints, high-gloss operations, printing inks, and water-reducible coatings. It exhibits excellent compatibility in either pigmented or unpigmented systems. This product is often used in combination with selected non-silicone defoamers. The two key properties of Drewplus L-405 foam control agent are that it is extremely effective in destabilizing microfoam (fine bubbles), and it possesses excellent persistence in controlling foam in flow coats and dipping enamels without reducing gloss.

DREWPLUS TECH I.D.™ System No. TS-4380

Typical Properties

Appearance @ 25 °C:	Opaque, off-white liquid
Specific Gravity:	1.00
Solubility:	Emulsifiable in water
Flash Point (PMCC):	140 °F (60 °C)
Pour Point:	32 °F (0 °C)

These values should be considered typical and not as specifications.

Application

In trade sales paints, high gloss applications and printing inks, Drewplus L-405 foam control agent has shown particular efficacy in aqueous acrylic resin systems which are currently replacing conventional alkyds in gloss paints, trim enamels, and clear varnishes.

In aqueous industrial coatings, Drewplus L-405 foam control agent is highly recommended for use in alkyds, epoxy esters and acrylics. The product is also highly effective in destabilizing microbubbles and shows persistency on aging in both flow and dip coats.

Testing and Control

Drewplus L-405 foam control agent is usually effective at a level of one to three pounds per hundred gallons of paint (coating). This product may be incorporated into the grind portion and/or the let-down operation. Our experience has shown that incorporation into the grind often provides sufficient foam control so that a further addition in the let-down operation is not required.

Often, Drewplus L-405 foam control agent in combination with a non-silicone defoamer, such as Drewplus L-475 foam control agent provides the required foam control while reducing the level of silicone in your formulation. In this case, the suggested usage levels are: Drewplus L-405 foam control agent - one-half to one pound per hundred gallons and non-silicone defoamer - two to three pounds per hundred gallons.

Storage and Handling

Under normal conditions, Drewplus L-405 foam control agent has good stability. Do not subject the product to storage temperatures above 104 °F (40 °C) or below 32 °F (0 °C). Refer to the Material Safety Data Sheet for further information.

Packaging

Drewplus L-405 foam control agent is available in 55-gallon (200-liter) steel drums and has a net weight of approximately 450 pounds. It is also packaged in a 6-gallon (25-liter) pails with a net weight of 40 pounds. Stir prior to use, to ensure a uniform mixture.

Important Information

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

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