



NUMBER 4560-1 (Supersedes 4560)

Drewplus™ S-4386

Foam Control Agent

General

Drewplus S-4386 foam control agent is a non-ionic aqueous emulsion of silica derivatives, silicones and surfactants.

Drewplus S-4386 foam control agent is formulated for use in water-based coatings, printing inks, graphic arts, wood coatings and high-gloss decorative paints. It is a highly efficient foam control agent with fast performance, excellent persistency and compatibility.

Drewplus S-4386 foam control agent has demonstrated efficacy in numerous high performance systems especially wood coatings, automotive interior coatings, and high performance acrylic latex coatings. It is functional in brush, roller, dip and curtain coating applications. Drewplus S-4386 foam control agent offers excellent gloss retention and clarity. It can be added at relatively low shear when compared to many other silicone defoamers thus reducing the risk of surface imperfections.

Product benefits

Features	Advantages	Benefits
Higher performance blend of silicone copolymers	Rapid performance High persistency	No effect on gloss and clarity
Improved activity and compatibility	Stable in recirculating systems	Reduced surface imperfections
Versatile foam control agent	Works well in paints, graphic arts, wood coatings, automobile interior finishes and other industrial finishes	Product and inventory consolidation

Typical Properties^(a)

Appearance.....	Opaque, off-white liquid
Specific Gravity	1.00
Density (lb/gal)	8.3
Brookfield Viscosity ^(b) , as supplied (cps)	15000
Freeze Point.....	32°F (0°C)
Flash Point ^(c)	>212°F (100°C)
VOC (ASTM D-6886)	<2%
Solubility.....	Emulsifiable in water

^(a) These values should be viewed as typical and not to be regarded as specifications.

^(b) RV Spindle # 4 @ 20 rpm, @ 25°C

^(c) Pensky Martins Closed Cup (PMCC).

Application

Drewplus S-4386 foam control agent is normally added immediately following the dispersion phase of paint production. An additional amount may be added to the final letdown operation (about 1/3 of total dosage).

Usage levels vary between 0.2 - 0.8 percent (two to eight pounds per hundred gallons) on total formulation weight.



Storage and Handling

Under normal storage conditions (between 50°F / 10°C and 90° / 33°C in closed packaging), Drewplus™ S-4386 foam control agent has good chemical stability. However, Drewplus S-4386 foam control agent can exhibit separation with storage. To ensure homogeneity, it is recommended that Drewplus S-4386 foam control agent be mixed / recirculated before use or sampling.

Drewplus S-4386 foam control agent will freeze in temperature below 32°F and should be protected from freeze / thaw cycling.

Some phase separation may occur when the product is stored for extended periods of time. It is recommended that this product be stirred thoroughly prior to use.

Recommended materials of construction for storage and handling are nylon, cross-linked polyethylene, PVC, polypropylene, mild steel, aluminum, stainless steel, EPDM, Teflon*, and Viton* materials.

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

Regulatory

All components of Drewplus S-4386 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 S-4386 foam control agent does not contain alkyl phenol ethoxylates (APEOs).

Packaging

Drewplus S-4386 foam control agent is available in 5 gallon pails, 55 gallon drums and intermediate bulk containers (IBCs). Standard (100ml) samples are available upon request.

Important Information

Ashland maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information 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 facility.