



NUMBER 4563-1 (Supersedes 4563)

Drewplus™ TS-4385

Foam Control Agent

General

Drewplus TS-4385 foam control agent is designed for use in coatings and printing inks. This product is particularly recommended for wood coatings, semi-gloss, high-gloss architectural paints and parquet lacquers. Excellent results have also been obtained in acrylic anti-corrosive primers, flexographic printing inks and water-reducible alkyd based systems. Drewplus TS-4385 foam control agent is highly efficient and exhibits excellent persistency. Drewplus TS-4385 foam control agent is a non-ionic proprietary formulation of silica derivatives, silicones and surfactants.

Typical Properties^(a)

Appearance.....	Opaque, off-white liquid
Specific gravity.....	1.02
Density (lb/gal).....	8.5
Brookfield Viscosity ^(b) , as supplied (cps)	3700
Solubility.....	Emulsifiable in water
Flash point ^(c)	154°F (68°C)

^(a) These values should be viewed as typical and not to be regarded as specifications.
^(b) RV Spindle #3, 20 rpm, @ 25°C.
^(c) Pensky Martens Closed Cup (PMCC).

Application

Drewplus TS-4385 foam control agent is normally added during the grind phase of paint production. An additional amount may be added in the letdown operation (about 1/3 of total dosage). In non-pigmented systems it is recommended to pre-mix this product with the coalescing solvent(s) to improve its compatibility. Usage levels vary between 0.1 - 0.3 percent (one to three pounds per hundred gallons) on total formulation weight.

Drewplus TS-4385 foam control agent may be pre-diluted with water before use, if this simplifies the addition of the product. It is recommended to add water to this product in a ratio of 1:1, while stirring continuously.

Storage and Handling

Under normal storage conditions (between 50°F / 10°C and 90° / 33°C in closed packaging), Drewplus TS-4385 foam control agent has good chemical stability. However, Drewplus TS-4385 foam control agent can exhibit separation with storage. To ensure homogeneity, it is recommended that Drewplus TS-4385 foam control agent be mixed / recirculated before use or sampling.

Drewplus TS-4385 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.

Since some phase separation may occur in storage, it is recommended that this product be stirred prior to use, using moderate shear force.



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™ TS-4385 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 TS-4385 foam control agent does not contain alkyl phenol ethoxylates (APEOs).

Packaging

Drewplus T-4385 foam control agent is available in 5 gallon pails, 55 gallon drums, intermediate bulk containers (IBCs) and bulk. 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.