



NUMBER 4566-1 (Supersedes 4566)

Drewplus™ TS-4481

Foam Control Agent

General

Drewplus TS-4481 foam control agent is a non-ionic blend of silica derivatives, silicones and paraffinic oil.

Drewplus TS-4481 foam control agent is formulated for use in water-based coatings. It is a highly efficient foam control agent with fast performance, excellent persistency and compatibility. Since it functions as an air-release agent, it is particularly effective on microfoam in spray-applied industrial coatings.

Drewplus TS-4481 foam control agent performs via a unique, two-step process. First, due to its powerful antifoaming activity, macrofoam formation is prevented. Second, any microfoam that forms during spray application will actually be resolubilized back into the coating film during the drying process by lowering the interface barrier, a process we term “microfoam dissolution”.

Product Benefits

Features	Advantages	Benefits
High performance blend of surface active agents	Rapid performance High persistency	No effect on gloss and clarity Active even after coating begins to set
Revolutionary activity	Enhances dissolution of micro foam	Reduced surface imperfections
Versatile foam control agent	Works well in pigmented and non-pigmented industrial coatings	Product and inventory consolidation

Typical Properties^(a)

Appearance.....	Clear to translucent liquid
Specific gravity.....	0.95
Density (lb/gal).....	7.9
Brookfield Viscosity ^(b) , as supplied (cps).....	120 cps
Pour Point.....	-15°F (-26°C)
Flash Point ^(c)	>212°F (100°C)
Solubility.....	Insoluble in water, dispersable in surfactant containing systems

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

^(b) RV Spindle #, 20 rpm, @ 25°C.

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



Application

Drewplus™ TS-4481 foam control agent is highly efficient foam control agent and should be added under moderate-to-low shear conditions.

In paint systems, Drewplus S-4480 foam control agent should be added after incorporation of rheology agents. Recommended dosage levels in non-pigmented systems range from 0.1 - 0.8 (one to eight pounds per hundred gallons) percent on weight of formulation.

Storage and Handling

Under normal storage conditions (between 50°F / 10°C and 90° / 33°C in closed packaging), Drewplus TS-4481 foam control agent has good chemical stability. However, Drewplus TS-4481 foam control agent can exhibit separation with storage. To ensure homogeneity, it is recommended that Drewplus TS-4481 foam control agent be mixed / recirculated before use or sampling.

Drewplus TS-4481 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.

Recommended materials of construction for storage and handling are nylon, 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-4481 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-4481 foam control agent does not contain alkyl phenol ethoxylates (APEOs).

Packaging

Drewplus TS-4481 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.