



NUMBER 4548

DREWPLUS™ L-475 Foam Control Agent

Foam Control Agent

General

DREWPLUS L-475 foam control agent is a nonionic antifoam formulation comprised of a blend of mineral oils and silica derivatives.

DREWPLUS L-475 foam control agent has demonstrated excellent defoaming ability in a broad range of paint systems. This product is highly compatible and stable in most standard latex paint formulations and will not cause cratering or fisheyes. DREWPLUS L-475 foam control agent in packaged latex paints has a distinct economic advantage over comparable products because of its persistence and antifoam properties.

DREWPLUS L-475 foam control agent is a proven performer in trade sales paints and is recognized as the industry's standard. Because of the product's versatility and wide usage, product formulators continue to use DREWPLUS L-475 foam control agent as the defoamer of choice.

DREWPLUS TECH I.D.™ System No. T-4505

Typical Properties

Appearance at 25 °C: Opaque, off-white to pale yellow liquid

Specific Gravity: 0.91

Solubility: Insoluble in water, but dispersible in surfactant systems

These values should be viewed as typical and not as specifications.

Application

DREWPLUS L-475 foam control agent has demonstrated excellent antifoam activity in vinyl acrylic, acrylic and polyvinyl acetate water-base paints. This product is highly compatible and stable in most standard latex paint formulations and will not cause cratering or fish-eyes. This product is extremely effective in both flat and semi-gloss paints.

DREWPLUS L-475 foam control agent provides excellent antifoam action during the polymerization reaction and the stripping process of latices.

DREWPLUS L-475 foam control agent is an effective foam control agent in industrial coatings based on both water-reducible resins and latices (i.e., acrylic, styrene acrylic, etc.).

DREWPLUS L-475 foam control agent also demonstrates excellent antifoam activity in aqueous adhesive formulations based on acrylic, PVA and SBR latex systems.



Testing and Control

The normal dosage of DREWPLUS L-475 foam control agent ranges from 2 to 5 pounds per hundred gallons of latex paint. DREWPLUS L-475 foam control agent is generally added in the pigment grinding process or during the letdown operation, but it can also be incorporated into the paint prior to packaging.

DREWPLUS L-475 foam control agent can be added directly into the polymerization kettle or to the stripping operation. The dosage level depends on the individual process; however, a suggested starting level is 0.01 percent on a wet basis.

The suggested range level of DREWPLUS L-475 foam control agent in water-reducible and resin emulsion systems for industrial coatings is 0.01-1.0 percent on a volume basis. Each resin and emulsion system must be evaluated individually for the optimum dosage level.

Storage and Handling

Although this product is stable under normal storage conditions (one to two months), some settling of the dispersed solids may occur over a long period of storage. This condition may be remedied by mild agitation prior to use. This product will not freeze in temperatures commonly experienced in the continental United States. However, the viscosity will increase considerably if stored at or below freezing and some phase separation may occur. This is a temporary condition. The product may be returned to its original physical appearance with no loss in activity by allowing the drum to rewarm to room temperature with mild agitation.

Packaging

DREWPLUS L-475 foam control agent is available in bulk and 55-gallon (200-liter) open-head and bung-type steel drums with a net weight of approximately 400 pounds. It is also available in semi-bulk containers.

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.

