



MaxxBreak OS-319 Concentrate

Organo-Silicone Emulsion Antifoam

MaxxBreak OS-319 Concentrate is an effective and economical organo-silicone concentrate for use in formulating defoamers for a wide variety of high and low temperature applications, especially textile dyeing and finishing. **MaxxBreak OS-319 Concentrate** is an effective and efficient material for jet machine dyeing, atmospheric dyeing of piece goods and carpets, package machines, acrylic binders, detergents and scours and durable press finishing. It is best-diluted 4-6 parts water with 1 part of **MaxxBreak OS-319 Concentrate** before use. Also **MaxxBreak OS-319 Concentrate** although very viscous, may be added, "as is" where extremely difficult foam problems exists.

TYPICAL PROPERTIES

Appearance	Viscous white paste
Ionic Nature	Nonionic
Viscosity. cps	20,000
Odor	Mild, pleasant
pH, 1%	8.0
Specific Gravity,@25°C	1.0777
Solubility	Readily dispersible in water
Weight per Gallon, lbs.	9.0
Product Stability	One year minimum; Protect from freezing

PERFORMANCE FEATURES

Extremely effective antifoam for textile dyeing & finishing, High and Low Temperature, Economical, Concentrated/Dilutable

SUGGESTED USES

Textile Dyeing & Finishing, Carpet, Acrylic Latex

Suggested formulations on following page:



LET DOWN PREPARATION

A ready-to-use defoamer can be formulated as follows:

Materials Wt. % -

Water, 80—120°F

Preservative 0.1 - 0.3

MaxxBreak OS-319 Concentrate 10.0 - 20.0

1) Add the preservative (Formalin, Bioban DXN, or methyl paraben) to water and mix 1-2 minutes.

2) Slowly add the **MaxxBreak OS-319 Concentrate** to the water, while mixing at low shear.

3) Continue mixing for 10-30 minutes, depending upon the mixing efficiency.

*****CAUTION*** AVOID HIGH SHEAR AGITATION & PROLONGED MIXING**

4) When the defoamer is uniform, package as required.

Fabric Dyeing

For high temperature and atmospheric dyeing, 0.1-1% owg of a 20% **MaxxBreak OS-319 Concentrate** type defoamer is adequate to control foam in most systems. The antifoam should be added by itself at the beginning of the dye cycle.

Atmospheric Dyeing of Carpets

Defoamers made from 10% **MaxxBreak OS-319 Concentrate** help wet out the goods and allow them to sink lower into the beck. **MaxxBreak OS-319 Concentrate** will control foaming throughout the dyeing cycle -Usage level for a 10% defoamer is 0.25-1.0% owg.

Scours and Detergents

From 0.01 - 0.5% of a 20% **MaxxBreak OS-319 Concentrate** is adequate in most detergents and scours to control foaming. The defoamer may be incorporated into the system or added as a separate ingredient.

Pigment Printing

MaxxBreak OS-319 Concentrate has demonstrated unique properties in pigment printing. **MaxxBreak OS-319 Concentrate** will materially assist print release and help control mealiness. Recommended usage should be at the rate of one to two ounces per gallon in printing with additions to be made at the stage where emulsifiers and clear cuts are mixed together to form an emulsion.

Let MCTRON Technologies raise your expectations.

McTron Technologies, LLC Technical Support Team is available to provide assistance with the formulation of all our products to optimally suit your specific needs.

McTron Technologies LLC Guarantee

If any product is defective in workmanship or materials, McTron Technologies, LLC will replace the product, or refund the full purchase price. This warranty is in place of all other warrants, expressed or implied, and all implied warrants of a product for an intended use shall be solely up to the user. McTron Technologies, LLC assumes no liability for consequential damages. Its liability shall in no event exceed the purchase price of materials supplied by it.