



MaxxBreak® SYN-4 NS Concentrate
Synthetic Antifoam

MaxxBreak SYN-4 NS is a concentrated non-silicone, mineral-oil free defoamer. It can be used as-is in small quantities or further compounded with petroleum oils. The finished compounded defoamer is recommended for textile, pulp and paper, and paints, inks and coatings. Depending upon the end use, the formulator may wish to add additional emulsifiers or dispersants. **MaxxBreak SYN-4 NS** can also be letdown with water to form stable dispersions. Additional emulsifiers or protective colloid thickeners are recommended for maximum shelf life.

TYPICAL PROPERTIES

Appearance	Transparent Viscous Pale Yellow Liquid
Ionic Nature	Nonionic
pH	N/A
Active Solids, %	100
Specific Gravity, 25°C	1.02
Flash Point, °F TOC	>350°
Solubility	Dispersible
Shelf Life	One Year

PERFORMANCE FEATURES

Non-Silicone, Mineral Oil Free, Versatile, Dilutable

SUGGESTED USES

Textiles, Paints, Adhesives, Coatings, Pulp & Paper, Monomer Stripping, Lattices

Application methods are discussed on the following page.

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.



METHOD OF APPLICATION

MaxxBreak SYN-4 NS can be added as received or diluted with one of several formula ingredients depending on the application. Typical formulations and preparation methods are shown below:

Formula #1 – Typical application: non-silicone textile defoamer

<u>Weight %</u>	<u>Ingredients</u>
A) 86	Mineral Oil, 100 SUS or Paraffinic Mineral Oil
B) 10.0	MaxxBreak SYN-4 NS Conc.
C) 4.0	Peg 400 Dioleate or LA-4
D) QC .25 to 1.0	Water (to clear)

Formula #2 – Typical application: paint & coatings, monomer stripping and lattices

<u>Weight %</u>	<u>Ingredients</u>
A) 75.0	Mineral Oil, 50-100 SUS
B) 25.0	MaxxBreak SYN-4 NS Conc.
C) QC	Water (to clear)

Formula #3 – Typical Application: pulp & paper mill defoamer

<u>Weight %</u>	<u>Ingredients</u>
A) 65-70	Mineral Oil, 100 SUS
B) 15.0	Kerosene
C) 15-20	MaxxBreak SYN-4 NS Conc.

Preparation: 1) Charge the above ingredients to clean mix tank, mixing 10-15 minutes after each ingredient.

2) Sample to lab for approval, upon approval filter and

Note: Formulas #1- #3 form stable, clear to slightly hazy, oily liquids. They disperse readily into water to form poorly stable dispersions.



Formula #4 – Typical application: low-cost organic defoamers

<u>Weight %</u>	<u>Ingredients</u>
<u>Part A</u>	
45.0	Water, 100°F
0.2	Bioban DXN
4.8	MaxxThix MT-107
<u>Part B</u>	
45.0	MaxxBreak SYN-4 NS Conc.
5.0	TDA 3

Preparation:

- 1) Slowly pre-mix the thickener and preservative into the water (Part A).
- 2) Pre-mix the **MaxxBreak SYN-4 NS Conc.** and TDA 3 (Part B).
- 3) Slowly add Part B to Part A and mix at moderate shear for ½ hour.

The above formula is a white thick emulsion with excellent shelf stability. It disperses readily into aqueous systems.