



TECHNICAL DATA

102 Barton Street, St. Louis, Missouri 63104

In-State (314) 865-4100/Out of State 800-325-9962/Fax (314) 865-4107 <http://www.schaefferoil.com>

MWF ANTIFOAM CONCENTRATE

Product Description

MWF Antifoam Concentrate an anti-foaming agent that is designed for application as a tankside defoamer to water-based metalworking fluids and cleaners. MWF Antifoam Concentrate is water miscible, and will not haze or separate during storage and will provide maximum defoamer aging efficiency when incorporated into net formulations. The use of MWF Antifoam Concentrate at the prescribed treatment levels will not interfere or impair subsequent finishing operations such as painting or plating.

Application and Dosage

MWF Antifoam Concentrate can be mixed into water based solutions or emulsions tankside at 100 to 150 ppm (1.28 ounces per 100 gallons to 1.92 ounces per 100 gallons) This amount can be increased or decreased, depending upon the foam control requirements of the system.

How to Use

For central systems : Pour MWF Antifoam Concentrate directly into the “clean” side of a central system where contamination is minimal and will be less likely to reduce effectiveness.

For individual machines: Add the MWF Antifoam Concentrate into the machine sump at a high agitation area in the sump that will provide through mixing.

Use MWF Antifoam Concentrate at the leanest dilution first. If foaming of the water-based metalworking fluid persists repeat the addition of the MWF Antifoam Concentrate. **Do not exceed 500 ppm (6.4 ounces per 100 gallons) in a 24 hour period.**

Note: If 500 ppm in a 24 hour period is exceeded or if the MWF Antifoam Concentrate is used continuously the use of this additive may cause the foam problem to worsen. At this point the system will be needed to be double checked for all mechanical foam producing characteristics of the operation since the foam issue is not likely to be strictly a chemical issue at this point.

Treatment Ratios

MWF Antifoam Concentrate (100 ppm)	Gallons of Metalworking Fluid
0.08 fluid ounces	6.25
0.16 fluid ounces	12.5
0.32 fluid ounces	25
0.64 fluid ounces	50
1.28 fluid ounces	100
2.56 fluid ounces	200
10.24 fluid ounces	800
12.8 fluid ounces	1000
(150 ppm)	
0.12 fluid ounces	6.25
0.24 fluid ounces	12.5
0.48 fluid ounces	25
0.96 fluid ounces	50
1.92 fluid ounces	100
3.84 fluid ounces	200
7.68 fluid ounces	400
15.36 fluid ounces	800
30.72 fluid ounces	1000

Typical Properties

Appearance (neat)	Opaque Off-white
Odor	Mild organic
Specific Gravity	0.995
Solubility	Water Soluble
pH (50% solution)	7.0 +/- 0.5