



METALWORKING FLUID

DESCRIPTION

FOXX Multi S1 is a semi-synthetic metalworking fluid. It is a chlorine free general purpose product for machining and grinding.

APPLICATION

FOXX Multi S1* was developed for use on ferrous and most non-ferrous materials. It can be used on mild steels, stainless steels, hardened steels, and most non-ferrous alloys. It should not be used on magnesium alloys.

For use in moderate duty machining and grinding applications, such as milling, drilling, cut tapping, reaming, boring and in most grinding applications.

FEATURES & BENEFITS

VERSATILE PRODUCT:

This new generation bio-stable semi-synthetic blends the technical advantages of modern day synthetics fluids with the performance of soluble oils. Due to the unique formulation, this product can be used on tough applications like sawing but also versatile enough for surface grinding, milling or turning.

CORROSION PROTECTION:

The oily residue keeps machine tools and work-piece materials free of corrosion and staining.

MICROBIAL CONTROL:

FOXX Multi S1 has excellent rancidity control.

** FOXX Multi S1B has the same performance characteristics as FOXX Multi S1 but has additional foam control*

RECOMMENDED STARTING DILUTIONS

FOXX Multi S1 is to be mixed with water for use. Always add concentrate to water. Fluid may be more difficult to mix when water temperature is below 55 F (13 C). Add no other materials to the concentrate or mix unless approved by your FOXX District Manager.

Grinding 5% - 10% (1:20 to 1:10)

Machining 5% - 10% (1:20 to 1:10)

CONCENTRATION

An MI Titration, Non-solvent Titration, Total Alkalinity, CIMCHEK™ Test Strip or Refractometer can be used.

The Refractometer Factor is 1.7. Multiply the scale reading obtained on your CIMCOOL® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing. A refractometer is only recommended for use in checking the concentration of a fresh charge.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Appearance and Odor: Hazy/Chemical
Solubility in water: 100% miscible	Weight, lb/gal, 60°F (15.6 °C): 8.5
Viscosity (SUS) @ 100°F: 500	Flash Point /Sp.Gr./Boiling Point: SEE MSDS
pH Concentrate: 9.9	pH Mix 5%, Typical Operating: 8.8
Total Chlorine/Chloride, wt%: 0.0/<50ppm	Total Sulfur, wt%: 0.4
Silicones: NO for CIMSTAR QUAL STAR XL / Yes for CIMSTAR QUAL STAR XLB	

HANDLING and STORAGE

If frozen thaw completely at room temperature. Inside storage is recommended.

Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.

