



# FS Kool Kut 122

## Micro Emulsion Coolant for Moderate to Severe Applications

**FS Kool Kut 122** is a low foaming micro emulsion coolant formulated with a specialized blend of nano- particle, extreme pressure additives. The utilization of these nano-technologies enables us to form clean and stable emulsions, while at the same time providing an excellent source of lubricity for today's aluminum alloys, tool steels, stainless, and cast iron. Additionally, **FS Kool Kut 122** is exceptionally stable in many types of water, thus keeping the machine tool surfaces clean and residue free. The emulsion stability of **FS Kool Kut 122** works well with many styles of skimmers and filtration equipment and the coolant will readily reject tramp oil and other lubricant contaminants. The culmination of these attributes makes for a coolant that is very bio-stable and has a high degree of operator acceptance.

### PRODUCT APPLICATIONS

**Machining  
Drilling  
Turning**

**Grinding (ID, OD, Surface, Centerless)  
Threading  
Sawing**

**Reaming and Tapping  
Milling**

### TYPICAL PHYSICAL PROPERTIES

Fluid Type:	Mirco Emulsion/ Nano-Lubrication
Appearance of Emulsion:	Transparent Blue
Specific Gravity @ 25C:	1.00
pH 5% in Deionized Water:	9.0
Flash Point C.O.C.:	N/A for Dilution
Weight per Gallon:	8.6 lbs.
Freeze Thaw Cycle:	Stable, Do Not Freeze
Rust Protection:	Excellent
Metal Staining:	Safe on Ferrous & Non-Ferrous Metals
Foam Control:	Very Low Foaming
Water Dilutions:	Stable emulsions in hard, RO, or DI water

### RECOMMENDED REFRACTIVE READINGS:

Grinding:	Ref. = 3.0-4.0
Drilling/ Tapping	Ref. = 4.0-8.0
Machining:	Ref. = 4.0-8.0

**STORAGE/ MIXING:** Coolant concentrates should be stored at room temperatures (between 55-90 deg. F). Should concentrates be exposed to temperatures out of this range, the coolant concentrate needs to be mixed well prior to use. Product may become unstable/split, if exposed to extreme temperatures. Always add coolant to water while mixing, or run concentrates through a proportioning unit.

**HEALTH AND SAFETY:** Refer to Safety Data Sheet for more information.

**Warranty:** Because conditions of use are beyond our control no representation or warranty is made in connection with the use of this product. Technical information and recommendations are believed to be accurate but are not guaranteed.

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