



# FS Kool Kut 610I

## A Synthetic Coolant for Grinding & Moderate Machining

In order to obtain the lubrication and cooling effects necessary in grinding, it has often been necessary to sacrifice other desirable fluid characteristics. Such is not the case with **FS Kool Kut 610I**. This synthetic coolant is a superior blend lubricity additives, rust inhibitors, and oil rejecting surfactants that promotes a total system economy. Originally formulated for large central systems, **FS Kool Kut 610I** has performed as impressively in many smaller shops and systems by keeping surfaces clean and residue free, and by increasing the longevity and useful life of the coolant. Additionally, **FS Kool Kut 610I** has proven itself to be highly resistant to microbial degradation.

### PRODUCT APPLICATIONS

**FS Kool Kut 610I** has proven itself to be very effective in ID, OD, Horizontal, and Blanchard grinding. Depending on the parts and finishes required, it has also been proven effective in double disc grinding applications. Due to the amount of lubricity in the product, **FS Kool Kut 610I** has proven itself effective in many light to moderate machining applications. The following refractive readings are a recommended starting point of use (best results are achieved when the refractive index is kept above 2.0).

### TYPICAL PHYSICAL PROPERTIES

Fluid Type:	Synthetic Coolant
Appearance of Dilution:	Clear Yellow/Orange
pH 5% in Deionized Water:	9.2
Flash Point, C.O.C.:	N/A for Dilution
Freeze Thaw Cycle:	Stable, Do Not Freeze
Rust Protection:	Excellent, even at 30:1
Metal Staining:	Safe on Ferrous & Non-Ferrous Metals
Foam Control:	Very Low Foaming
Water Dilutions:	Stable dilutions in hard, RO or DI water

### RECOMMENDED REFRACTIVE READINGS:

Grinding:	Ref. = 2.0-4.0
Drilling/ Tapping:	Ref. = 2.0-6.0
Machining:	Ref. = 2.0-6.0

**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.

July, 2015  
R: Product Tech Letterhead 2015/KK 610I