FS Kool Kut 316

Extreme Duty Aerospace Coolant

FS Kool Kut 316 is formulated to meet the demanding manufacturing environments of the Aerospace Industry. In particular, **FS Kool Kut 316** is designed to meet the challenges associated with machining exotic alloys, stainless steels, various grades of aluminum, and other difficult materials. In several comparative tests (micro tap evaluations), **FS Kool Kut 316** has surpassed the lubricity characteristics of every competitive coolant we have evaluated, making it an excellent choice for those looking to increase productivity and reduce tool consumption with a **Chlorine and Sulfur Free** product.

Additionally, **FS Kool Kut 316** is extremely clean running, bio-stable, and non- staining. It is capable of being run in hard water sources, but also shows low foaming characteristics in RO and DI water systems- making the product very attractive to both large and small volume users.

TYPICAL PHYSICAL PROPERTIES

Fluid Type	Micro Emulsion/ Soluble
Appearance of Emulsion	Translucent/ Tan
pH 5% in Deionized Water	9.3
Weight per Gallon	8.6 lbs.
Freeze Thaw Cycle	Stable, Do Not Freeze
Rust Protection	Excellent
Metal Staining	1A
Foam	Very Low Foaming
Water Dilutions:	Stable emulsions in hard, RO, or DI water
Bio-Stability:	Excellent
Chlorine Content/ Sulfur Content	0%/ 0%
Formaldehyde Condensate Biocides:	0%
DCHA (Including Salts & Unreacted Amine):	0%

PRODUCT APPLICATIONS

FS Kool Kut 316 is extremely versatile and achieves superior results in a variety of cutting, drilling, tapping, reaming, broaching, and grinding operations. Best results are achieved with a minimum refractive reading of 5.0 or higher.

RECOMMENDED REFRACTIVE READINGS

Grinding:	Ref. = 5.0-8.0
Drilling/ Tapping	Ref. = 5.0-10.0
Machining:	Ref. = 5.0-10.0

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.

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