FS KOOL KUT 384-AL

A HEAVY DUTY, HIGH PERFORMANCE, MICRO-EMULSION

FS Kool Kut 384-AL is a heavy duty, ***Micro Emulsion*** that exhibits excellent tool life characteristics and superior low foaming tendencies. It is formulated to fit the all-purpose needs of both large and small plant operations, and is a great choice when machining dissimilar metals like stainless, brass, bronze, and multiple grades of aluminum. **FS Kool Kut 384-AL** contains unique properties that provide excellent lubricity, form clean and stable emulsions, and promote exceptional operator acceptance. Additionally, the product is well known for its rust inhibiting qualities and its resistance to microbial degradation. Most importantly, **FS Kool Kut 384-AL** is usable across a broad range of water sources. From RO and DI water applications, to extremely hard water sources – up to 1,000 ppm (Rockford water averages 200 ppm).

FS Kool Kut 384- AL is strongly recommended for anyone wishing to increase production, reduce scrap, increase tool life, and reduce the waste associated with coolant carry off and rancidity.

PRODUCT APPLICATIONS

FS Kool Kut 384- AL is an extremely versatile product and at varied concentrations achieves superior results in a great variety of cutting, drilling, tapping, reaming, broaching, and grinding operations. The following is a recommended starting point of use (best results are achieved when the coolant is kept above a Refractive Index of 3.5).

TYPICAL PHYSICAL PROPERTIES

Fluid Type:	Micro Emulsion
Appearance of Emulsion:	Clear Amber
Specific Gravity @ 25C:	1.025
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/ Even at 30:1
Safe on ferrous and Non-ferrous metals-	**Especially Aluminum**
Foam:	Exceptionally low in DI, RO, and Hard Water
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. = 4.0-6.0

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.

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