

AVGO EMUL-KOL 522 (Water Base Emulsion coolant)

Description

- ❖ AVGO EMUL-KOL 522 is special developed water base emulsion coolant for high precision CNC Metal Machining.
- ❖ EMUL-KOL 522 has content 60% of mineral base oil and it has added group V premium synthetic oil and special additives to enhance the coolant performance and prolong coolant life span.
- ❖ EMUL-KOL 522 has superior cutting ability and cleaning ability to improve tool life and machine cleanliness.
- ❖ EMUL-KOL 522 has excellent anti corrosion for various alloys both ferrous (Steel and Iron) and non ferrous (aluminum series and copper)
- ❖ EMUL-KOL 522 has formulated with stable emulsifier and pH stabilizer to control bacteria growth.
- ❖ EMUL-KOL 522 is suitable to dilute either with Deionised water (DI) or City Water with hardness not more than 90ppm.
- ❖ EMUL-KOL 522 has excellent anti-foam ability which suitable apply in high pressure pump.

Application

- ❖ CNC Lathe
- ❖ CNC Milling (Drill & Tap)
- ❖ CNC Grinding

	Steel	Stainless steel	Cast Iron	Non-ferrous Metals	Titanium Alloys	Hardened Steel	Sintered steel
CNC Lathe	3.0-5.0%	6.0-8.0%	3.0-5.0%	3.0-5.0%	10-12.0%	10-12.0%	3.0-5.0%
CNC Milling (Drill & Tap)	4.0-6.0%	6.0-8.0%	4.0-6.0%	4.0-8.0%	10-12.0%	10-12.0%	4.0-6.0%
Grinding (Centerless & Surface)	3.0-5.0%	3.0-5.0%	3.0-5.0%	3.0-5.0%	3.0-5.0%	3.0-5.0%	3.0-5.0%

Recommended Concentration % may vary depend on each cutting condition



Material Course From (Country)
Singapore, Japan, Taiwan, Europe, USA

Quality
Certified ISO 9001:2018

RoHS Compliant

Company/Undertaking Identification
 Manufacturer/Supplier
 AVGO SOLUTION SDN BHD
 No.18 & 20, Jalan Permata 8/KS9,
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Physical and chemicals Properties :

Appearance Neat	Dark Blue Translucent
Appearance after dilution	Light Blue Emulsion
Odour	Mild
Density (@15 degree C)	0.99
pH value (10.0% Emulsion)	9.3
Soluble	Water
Group V premium Synthetic Oil	10 to 15 %
Fatty Oil (Vegetable type)	1.0 to 5.0%
Anti corrosion additives	0.5 to 1.0 %
Brix Coefficient Factor	1.1 X Brix Reading



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Coolant Management Tips :

- 1) Used city water or filter water for coolant dilution.
- 2) Dilute coolant with recommended ratio.
- 3) Monitor and record daily concentration level and pH level.
- 4) Observe any appearance change, excessive tramp oil contamination and bad odour.
- 5) Remove or filter metal chips or sludge from the coolant tank regularly.
- 6) Top up coolant as required.

*Above action steps can help to prevent growth of bacteria in the coolant which can affect the coolant condition deteriorated.

Good Coolant Management = Extend Coolant life



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