

#### **Description**

- ❖ AVGO EMUL-KOL525 is special developed water base emulsion coolant for high precision CNC Metal Machining.
- ❖ EMUL-KOL 525 has content 40- 50% 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 525 has superior cutting ability and cleaning ability to improve tool life and machine cleanliness.
- ❖ EMUL-KOL 525 has excellent anti corrosion for various alloys both ferrous (Steel and Iron)and non ferrous (aluminum series 6 & 7, copper and stainless steel)
- ❖ EMUL-KOL 525 has formulated with stable emulsifier and pH stabilizer to control bacteria growth.

#### **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



## **Countries Origin of Maetrials:**

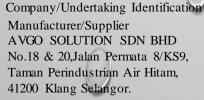
Singapore, Japan, Taiwan, Europe, USA

#### **Ouality**

Certified ISO 9001:2015



**RoHS Compliant** 



For further information, please contact: enquiry@avgosolution.com

Tel:+603-3884 9886 Fax:+603-3885 7067

Website: www.avgosolution.com





# Physical and chemicals Properties:

Appearance Neat	Light Brown Translucent		
Appearance after dilution	White Emulsion		
Odour	Mild		
Density (@15 degree C)	0.99		
pH value (10.0% Emulsion)	8.8-9.0		
Soluble	Water		
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		



### Coolant Management Tips:

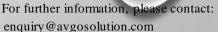
- 1) Used city water or filter water for coolant dilution.
- 2) Dilute coolant with recommended ratio.
- 3) Monitor and record daily concentration level and pH level.
- 4) Observe any appearance change, excessive tramp oil contamination and bad odour.
- 5) Remove or filter metal chips or sludge from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



Company/Undertaking Identification Manufacturer/Supplier AVGO SOLUTION SDN BHD No.18 & 20,Jalan Permata 8/KS9, Taman Perindustrian Air Hitam, 41200 Klang Selangor.



Tel: +603-3884 9886 Fax:+603-3885 7067

Website: www.avgosolution.com

