



CUTTING OIL

SPECIALITY PRODUCTS

DESCRIPTION

U-LUBE CUTTING OIL is made with high quality base oil and high quality additives. It is General Purpose soluble cutting fluid in concentrated form which should be diluted with water and form a stable milky white emulsion. It is non-staining and can be used in both ferrous and non-ferrous metals in wide variety of machining operation.

APPLICATION

U-LUBE CUTTING OIL is applicable on machine operation for drilling, milling, turning, and grinding.

Solution preparation: Dilution of cutting oil varies according to their application and severity of operation.

Emulsion preparation: To ensure that satisfactory results can be obtained using this cutting oil concentration, especially when replacing the polluted fluid, it is recommended that both the pump and line are disinfected and cleaned properly, emulsion is prepared by the simple addition of the concentrate to clean tap water under gentle agitation. Best results are obtained using a mixing device.

BENEFITS

- It has good corrosion resistance.
- Good emulsion stability.
- Nitrite / Phenol / Cresol free.
- Less odor solution.
- Good flexibility as a base package.
- Compatible with main chemical type of biocide and fungicides.

TYPICAL PROPERTIES

Test Parameter	Units	Typical Results	Method
Appearance	-	C&B	Visual
Colour	-	2.5	ASTM D-1500
Density @ 15°C	Kg/m3	0.8836	ASTM D-4052
Viscosity @ 40°C	mm2/s	47	ASTM D-7042
Viscosity @ 100°C	mm2/s	6.67	ASTM D-7042
Viscosity Index	-	94	ASTM D- 2270
Flash Point (COC)	°C	134	ASTM D-92
Dilution			
Dilution Appearance	-	Milky / Translucent	Visually
pH Value (5% dilution)	-	9.2	-
Herbert Corrosion test	-	0/0-0	IP 125
Filter Paper Corrosion test	%	Nil	IP 287

