



PRODUCT INFORMATION

LUBRITA CUTTING OIL MFE SOLUBLE OIL

Mineral Based Soluble Cutting Oil

PRODUCT DESCRIPTION

Lubrita Cutting Oil MFE are water emulsifiable oils for metal working operations where maximum cooling is desired. These oils are developed with selected base oils, emulsifiers and biocides for ready mixing to form a stable emulsion which provide good rust protection and excellent cooling.

TYPICAL APPLICATIONS

Lubrita Cutting Oil MFE are recommended for grinding and other light to medium general machining operations in ferrous and non-ferrous metals.

- Hydraulic medium in large presses and roll mills as economical medium as compared to neat mineral oils.
- Rust preventive in both concentrated and emulsion form to prevent corrosion of metal surfaces. This can be easily washed down with water.
- Rust inhibitor in IC Engine Water cooling systems.
- As hot and cold rolling oil for copper and hot rolling of aluminum rod.

This is not recommended for Magnesium machining.

PERFORMANCE STANDARDS

Lubrita Cutting Oil MFE are proprietary brands of Lubrita. These generally meet IS: 1115-1986 standards.

Customer Benefits

- Form stable emulsions with water upto even 500 ppm hardness.
- Permit rapid separation of chips and grinding dirt keeping circulating line clean.
- Provide good protection against rusting.
- Provide effective cooling.

PERFORMANCE LEVEL

KEY PROPERTIES	
<i>Parameters</i>	<i>Typical Results</i>
Kinematic Viscosity, cst @ 40° C	45 min. – 55 max
Thermal Stability (cold & hot)	Shall Pass the test
5% Emulsion In 500 ppm Hard Water	Passes
Cu Corrosion,@100°C	1a pass
Frothing Test	Passes
TOTAL ACID NO (TAN) mg of KOH/gm	3 min. – 5 max.
Pour Point (Max.)	-3