

## TECHNICAL INFORMATION

Water Soluble Cutting Fluid (Bio-Static Type)

# MORESCO TOOLMATE E-500

MORESCO TOOLMATE E-500 is metalworking fluids of bio-stable type and used for a long period of time without addition of any antiseptics.

### Characteristics

#### 1. Effective for many kinds of material

E-500 is effective for non-ferrous metals, mainly aluminum and for ferrous metals of course.

#### 2. Excellent lubricity.

Wonderful finish of the product and the extension of service life of the tools.

#### 3. Excellent Washability.

Micro-emulsion type. Less stickiness to the machine or products.

#### 4. Non Choline, PRTR free

An environmentally friendly coolant: Choline-based extreme pressure additives is not added.

\*Substances floating on the coolant may be seen in the beginning of use. They are antifoaming additive and disappear in a couple of days.

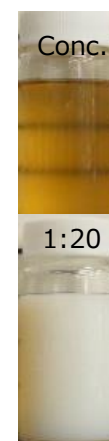
#### ▪ Undiluted Fluid

		Typical Property
JIS		A 1-1
Appearance		Red brown
Density	15°C g/cm <sup>3</sup>	0.97
Kinetic Viscosity	40°C mm <sup>2</sup> /s	35
Flash Point	°C	None

\*A small amount of deposit may be generated in the undiluted fluid.

#### ▪ Diluted Fluid

Appearance		White Micro-Emulsion
pH	1:20 dilution	9.4



### Properties

### Application

Machining processing of: Aluminum Alloy, Steel Alloy, Cast iron, etc.

Brix F=1.5 (5wt%=3.3Brix%, 10wt%=6.6Brix%)

### Packaging

18L / Can, 200L / Drum

### Regulation

Non Hazardous (Fire Defense Law)

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