

# MECAGREEN 510

**CONDAT**High  
Performance

## METAL WORKING

### PRESENTATION

**MECAGREEN 510** is water soluble coolant. The lubricating phase is a complex of synthetic esters of vegetable origin. **MECAGREEN 510** is a concentrate; water soluble. ISO-L-MAF code.

### APPLICATIONS

- ◆ Particularly suitable for both difficult metal removal and forming applications.
- ◆ All materials, especially aluminum, aluminum alloys and stainless steels.

### ADVANTAGES

- ◆ **Economical:**
  - ⇒ **MECAGREEN 510** reduces by about 30% the drive consumption (parts and metal removal) compared to conventional technologies.
  - ⇒ **MECAGREEN 510** enables the reduction of water consumption by evaporation of about 5%, thanks to its lubricating power which limits the rise of temperature compared to conventional chemistries.
- ◆ **Performance:** **MECAGREEN 510** is recommended for aluminium and stainless steel. With its great lubricating power, it is suitable for aluminum machining operations especially with tools with carbide pads.
- ◆ **Very pleasant at use:** almost odorless.
- ◆ **Environment:** **MECAGREEN 510** is formulated from esterified vegetable oils, valuing the production of renewable raw materials.
- ◆ **No foam:** great deaeration power which prevents "mechanical" foaming creation. Very good behavior with the different qualities of water: the use of demineralized water is not necessary.
- ◆ **Cleaning:** we strongly recommend the use of the alkaline cleaner, **CONDACLEAN LC 1547**

### CHARACTERISTICS

		Units	<b>MECAGREEN 510</b>
<b><u>Pure state:</u></b>	Aspect	/	<b>Liquid, Clear</b>
	Color	/	<b>Blond to dark blond</b>
	Density at 20°C	g/cm <sup>3</sup>	<b>0.935</b>
	Flash point (Open)	°C	<b>Without</b>
	Storage temperature	°C	<b>From 5° to 40°C, keep of freezing</b>
Recommended maximum storage time	/	<b>1 year, under original packaging</b>	
<b><u>Diluted to 5 %:</u></b>	pH	/	<b>≈ 8.1-8.6</b>
	Refractometer coefficient	/	<b>1.2</b>
	Actual concentration		<b>Reading taken x Coefficient</b>
<b><u>Concentration used:</u></b>	(dilution in water)		
	Machining with carbide tools	/	<b>5 to 6 %</b>
	Machining with high-speed steel tools	/	<b>5 to 7 %</b>
Tapping	/	<b>6 to 8 %</b>	
<b><u>Behavior:</u></b>	Steel corrosion	/	<b>Reach 5 %</b>
	Copper corrosion	/	<b>0-0</b>
	AU4G Corrosion	/	<b>0-0</b>
	Hardness range	°F	<b>10 à 30 (100 à 300 ppm)</b>

Above details are issued from a production average; they are not specification.

### HEALTH AND SAFETY

☞ See: Safety Data Sheets.

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### PRODUCT BENEFITS

- **A reduced consumption**
- **Based on esterified vegetable oils**
- **Suitable for the most difficult materials and machining processes including aluminum and stainless steels**
- **Good deaeration and behavior in a soft water environment**

New  
Technology