

## MAXISOL AL

### DESCRIPTION:

Cutting oil especially formulated for works with aluminum and its alloys. Also suitable for machining bronze and steels of easy machinability. Easily emulsifiable in water (white lubricant) forming a white emulsion, stable in hard waters and high performance.

### PROPERTIES & ADVANTAGES:

- Helps to protect the machinery and machined parts from oxidation.
- Its emulsion is stable in waters of any hardness.
- Its content in bactericides prevents putrefaction and, therefore, the formation of bad odors.
- High cooling and lubricating power.

### APPLICATIONS:

Especially formulated for machining and cutting aluminum and alloys, general machining operations in conditions with medium-high severity: broaching, turning on multi-spindle machines, milling machines, saws, etc.

### PHYSICOCHEMICAL CHARACTERISTICS:

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Nature	-	Petroleum
Density at 15 °C,	ASTM D-1298	0,885 - 0,900
Emulsion at 4% (v/v):		
- Color	VISUAL	Off-white
- Corrosion ( Herbert)	IP - 125	0/0 - 0
- Corrosion on paper	IP - 287	0
- Stability	VISUAL	high
- pH	pH - METRO	9,0 - 10,0

### HOW TO USE:

MAXISOL AL is applied as an aqueous emulsion in a concentration of 3-8% depending on the operation to be carried out:

- TURNING LATHES: Emulsions at 5% in water.
- SAWS: Emulsions at 3%.
- DRILLING: Emulsions at 4.5%.
- MACHINING IN GENERAL: In aqueous emulsion from 4% to 6%.

Correction factor = 1.1 for concentrations of 2-5%.

Correction factor = 1.2 for concentrations of 6-8%.

Actual concentration measured with portable refractometer (actual concentration = refractometer reading x correction factor).

### PACKAGING:

50L and 200L drums.