

MAXISOL 3

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DESCRIPTION:

Emulsifiable organic cutting fluid for machining of all metals. Free of nitrites and amines.

PROPERTIES:

- ✓ Easily emulsifiable in water (white fluid). Stable emulsion in water of any hardness.
- ✓ Excellent anticorrosive and antioxidant, protecting the moving parts of machine tools and machining parts.
- ✓ High cooling capacity. Rapid removal of heat from the work area, guaranteeing control of tolerances.
- ✓ Provides adequate lubrication between the machine tool and the workpiece, allowing excellent finishes.
- ✓ Its content in bactericidal prevents putrefaction and thus the formation of odors.
- ✓ Good compatibility with most guide oils on the market.

APPLICATIONS:

- ✓ Specially formulated for machining and cutting of all metals and alloys.
- ✓ General machining of medium/high severity: broaching, turning in multi-spindle machines, milling, saw cutting, drilling, etc.

HOW TO USE:

MAXISOL 3 is operated by pouring the product on water and stir lightly until the emulsion.

The minimum concentration recommended of MAXISOL 3 is between 6 and 8%. Percentage will vary depending on the operation to be performed, the material to be machined and quality of water used. Consult for each case our Technical Service.

The following table shows the approximate dosage depending on the type of operation:

Application / machining operation	MAXISOL 3 emulsion concentration in water (%)
Turning	7
Sawing / cutting	7
Drilling	8
Milling	8
General machining	7

- ✓ Correction factor = 1.2.
- ✓ Actual concentration measured with a portable refractometer (actual concentration = refractometer reading multiplied by the correction factor).

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TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Nature	-	Mineral oil
Concentrate aspect	Visual	Transparent, Brown
Density at 15 °C, typical (kg/l)	ASTM D-1298	0,885 - 0,900
pH at 7%	pH-meter	9,0 - 10,0
Emulsion stability at 7%, after 24h	Visual	No creaming or oil formation
Emulsion aspect at 7%	Visual	Opaque white
Corrosion test at 7%, Grade	IP 287	0
Herbert corrosion test, Grade	IP 125	0/0-0

PACKAGING:

20L jerry can and 200L drum.