

CUTTINSOL 5

WATER MISCIBLE METALWORKING FLUID

DESCRIPTION

It's a water emulsifiable product with a high content of mineral oil ("white taladrina"), free of boron and amines, which, in the appropriate proportion, is used for the general machining of steels, aluminums and yellow metals.

APPLICATIONS

White emulsion that provides good lubrication to both the cutting area and the moving parts of the machine tool.

Emulsions of **CUTTINSOL 5** show a high stability with water up to 40°HF of hardness and 200 ppm. of chlorine.

It has good corrosion protection from 4% of dilution, giving excellent protection to machines and machined parts.

Emulsions of **CUTTINSOL 5**, do not ferment during their use, avoiding the consequent problems and improving significantly the hygiene of the workshops.

CAUTIONS

When an emulsion of **CUTTINSOL 5** is put into service for the first time in a system which has previously contained another cutting fluid, it is advisable to clean it. This is imperative when the previously used emulsion has had fermentation problems.

To clean and disinfect the system, we recommend adding **STANDARD SYSTEM CLEANER** at 2% concentration, and allow it to circulate with the emulsion in use for a minimum of 6 hours.

This solution has to circulate through the machine, pipelines, tanks, etc., until completely cleaning. Empty and then proceed to the filling with the new emulsion of **CUTTINSOL 5**.

DOSAGE AND WATER QUALITY

Recommended concentration: 5% - 15% in soft water.

TECHNICAL CHARACTERISTICS

	Method	Typical values	Un.
Appearance of emulsion	Milky, stable		
Density at 15 °C	ASTM D 1298	0,88	gr/cm3
Viscosity at 40 °C	ASTM D 445	17,5	cSt
Flash point	ASTM D 92	190	°C
pH (5 %)	DIN 51 369	8,8	-
Factor of refractometer		1,1	-

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COGELSA is not liable for damages caused by improper use of the product.