



TECHNICAL SPECIFICATIONS



EKO CUTTING FLUID Water-miscible metalworking fluid

DESCRIPTION-APPLICATIONS

EKO CUTTING FLUID is a premium quality water-miscible metalworking fluid, developed for the most demanding cutting and grinding operations of aluminum, copper, iron and their alloys. Gives with water (preferably deionized), a stable milky emulsion.

EKO CUTTING FLUID should be mixed with water prior to use, in the correct proportion for the cutting application. Recommended dilutions for various metal operations are as follows:

General machining: 3-5%

Grinding: 2-2.5%

Heavy duty: 8-10%

BENEFITS

- Excellent emulsion stability, which resists oil-water separation that occurs when water of poor quality is used or if the emulsion is contaminated with dirt or waste oil.
- Excellent lubrication properties, which help minimize wear.
- Excellent resistance to bacterial degradation.
- Very good rust protection and cooling of tool and metalwork

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support.

Tel. + 30 210 5509 511, +30 210 7725 418.

For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.



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TYPICAL PROPERTIES

Properties	Method	EKO CUTTING FLUID
Appearance (emulsion 5%)	Visual inspection	milky
Stability of 5% emulsion		stable
Viscosity at 40°C, cSt	ASTM D445	37
Density @ 25°C, gr/ml	ASTM D1298	0,885
Oil content		88%
Iron chip corrosion for water-miscible metal working fluids	ASTM D4627	2,5% Breakpoint
Bacteria resistance of water –dilutable metalworking fluids	ASTM D3946	10.000/ml, max

HYGIENE AND SAFETY

Used lubricants must be collected in an authorized collection area. They must not be mixed with solvents, water, brake fluids and antifreeze. Do not dispose into drains, soil or water.

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