



PRISTA® EMULSOL AB

PRISTA OIL

■ DESCRIPTION

PRISTA® EMULSOL AB is high quality mineral oil based metalworking fluid that when mixed with water forms milky emulsions. It is formulated from highly refined base stocks of paraffinic-naphthenic type and an additive package ensuring very good lubricity and emulsion stability and resistance to bacterial growth, and excellent protection of working tools and machined parts against corrosion and wear. Free from chlorine and nitrites.

■ BENEFITS

- Forms stable emulsions with hard water up to 60° dH (1080 ppm)
- Ensures optimum lubrication and cooling for the cutting tools
- Better corrosion protection than the conventional mineral cutting fluid
- The only product of Prista Oil that has successfully passed Citroen Corrosion Test
- Ensures long emuls

■ APPLICATION

PRISTA® EMULSOL AB cutting fluid is used as oil-in-water emulsion in various ferrous metal removing and forming operations, such as: turning, milling, drilling, grinding, tapping and threading, broaching and gear-cutting. It can also be used for non-ferrous metals machining but at certain conditions.

The recommended concentrations of oil-in-water solutions are as follows:

- Light duty machining operations (grinding, cutting, turning) - 3% to 4%
- Medium duty machining operations (milling, drilling, etc.) - 4% to 5%
- Heavy duty machining operations - >6%



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■ SPECIFICATIONS

ISO-L-MAB according to ISO 6743/7

■ TYPICAL CHARACTERISTICS

Parameter	Test Method	Typical Values
1. Properties of the Concentrate <ul style="list-style-type: none">- Appearance- Kinematic Viscosity at 40°C, cSt- Density at 20°C, g/ml	Visual EN ISO 3104 EN ISO 3675	Clear, brown fluid 46 0.890
2. Properties of 5% water emulsion: <ul style="list-style-type: none">- pH- Foaming, mm/s- Copper corrosion- Cast Iron corrosion- Herbert Test (cast iron chips on paper), rating	ISO 4316 BDS 14887 BDS 14912 BDS 14912 DIN 51360/II	9.4 0/0 pass pass R0/S0 - no corrosion

Remark: The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.