



PRISTA® EMULSIN PRECIZ

PRISTA OIL

■ DESCRIPTION

PRISTA® EMULSIN PRECIZ is formulated with low aromatics mineral base oil, boric acids derivatives, anionic and non-ionic emulsifiers and rust preventing agents.

■ APPLICATION

PRISTA® EMULSIN PRECIZ is multipurpose metalworking fluid recommended for use as water emulsions of 4 to 15% concentration during all type of chip removal machining operations on cast iron, aluminium and copper alloys as well as during electrical welding of tubes & pipes of cold and hot rolled steel. The product forms stable emulsions with water of different hardness up to 60°dH (1080 ppm).

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

- Grinding operations - 4%
- Light duty machining operations (cutting, turning) - 4% to 6%
- Medium heavy duty machining operations (milling, drilling) - 6% to 9%
- Heavy duty machining operations - 10% to 15%

Refractive index - 1.1% per °Brix

METAL WORKING FLUIDS



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■ TYPICAL CHARACTERISTICS

PARAMETER	TEST METHOD	TYPICAL VALUES
Characteristics of the concentrate - Appearance - Density at 20°C, g/ml - Kinematic viscosity at 20°C, cSt - Mineral Oil Content, %	Visual EN ISO 3675 EN ISO 3104 -	Transparent brown fluid 0.970 150 65
Properties of 4 % water solution: - pH - Foaming, mm/s - Herbert Corrosion Test (cast iron chips on paper) - on 4% water solution, rating - on 5% water solution rating	ISO 4316 BDS 14887 DIN 51360/II DIN 51360/II	9.1 0/0 No Corrosion 0/0 No Corrosion

The concentrate is stable when stored at temperatures up to 10°C and for 9 months.

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.