

Metalworking fluid

ISO L-MAF

BISOL[®] 300

BISOL[®] 300 is semisynthetic water-soluble product based on mineral oil, emulsifier and suitable additives that provide good lubricity, excellent anticorrosion protection, rinsing ability and appropriate biostability ensures durability in application.

ADVANTAGES

- Excellent lubricating and anticorrosion properties,
- Long life,
- Easily emulsifies in water,
- Mild odour,
- High microbiological resistance,
- Excellent stability and anticorrosion protection in hard water,
- Low foaming in soft water,
- Economical,
- It does not irritate or dry out the skin.

QUALITY LEVEL

ISO 6743-7, L-MAF,
ISO/TS 12927

APPLICATION

It is recommended as hydraulic medium in hydraulic systems that require the use of aqueous emulsion. It is most frequently used in steel works and woodworking industry. It is recommended for hydraulic systems with a maximum operating pressure of 200 bar.

RECOMMENDED APPLICATION CONCENTRATIONS

Hydraulic medium 3 - 5%

ADDITIVE CONTENT

Oil type and content:		Mineral oil (max 30%)				
Additive content						
EP	AW	Boron	Amines	Chlorine	Esters	Nitrites
-	+	+	+	-	-	-
Stability in hard water		20°dH (360 ppm CaCO ₃)				

TYPICAL CHARACTERISTICS

CONCENTRATE			
CHARACTERISTICS	METHOD	UNITS	VALUE
Appearance	visual	-	clear
Density at 20°C	EN ISO 3675	g/ml	1,000
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	35

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EMULSION			
CHARACTERISTICS	METHOD	UNITS	VALUE
Appearance	visual	-	semi-transparent
pH value at 3 % concentration	ISO 4316	-	9,4
Corrosion on grey iron (chips/paper) 3%	DIN 51361/2	degree	0/0
Factor for refractometer		1,23	

Friction coefficient in the cutting zone: $\mu = 0,06 - 0,09$

STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight, nor at the temperatures below 0°C.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Plastic pails of 20 L and tin drums of 180 kg.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

