



Matrix Sol Plus ME

Grinding and general machining soluble lubricant

Description

Matrix Sol Plus ME is a soluble metalworking fluid which forms very stable emulsions when mixed with water. Thanks to the special formulation the product possesses a great biological resistance and improved performance. Matrix Sol Plus ME is a biostatic product containing EP properties enhancing longer fluid life and reducing maintenance costs. Use of the fluid is safe for workers and protects the machine from rust and other negative side effects.

Applications

Matrix Sol Plus ME is suitable for a wide variety of machining operations on all

grades of steel, titanium, aluminium and aeronautic metals.

The product is both suitable for centralized systems and independent machines.

Benefits

- High anticorrosive properties
- Good cooling
- Excellent service life
- Environmentally acceptable
- Good EP properties
- Does not form sticky deposits on machine surface
- Economical in use
- High performance

Typical performance data - Neat

Appearance	Amber liquid
Specific gravity @ 20 °C, gr/cm ³	0,96
Sodium nitrite	Free

Typical performance data - 5% emulsion (in tap water 150 ppm)

Appearance	Amber translucent
pH	9,1
Corrosion test (IP 287)	No corrosion
Aluminium corrosion	Nil
Copper corrosion	Nil

Mixing

Matrix Sol Plus ME is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. Hardness of water should be between 50 ppm and 400 ppm and chloride content should not exceed 0,1 gr/lit. The product is recommended to use between 5 to 6% depending on severity of application. For severe machining use between 6 to 8%.

Storage

Soluble oils are susceptible to frost damage. Store containers indoors to protect extremes of temperature.

All performance data on this Technical Data Sheet are indicative only and can vary during production

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