



## Matrix Sol Plus M

### Biostable metalworking fluid

#### Description

Matrix Sol Plus M is a high performance water soluble coolant containing high levels of lubricity additives combined with other multi-functional components that provides biostatic characteristics. Matrix Sol Plus M is a product without nitrosating agents, secondary amines, heavy metals and chlorine compounds. It forms milky emulsions, with low foam and high cooling and anticorrosive properties.

#### Benefits

- Operator acceptability
- Ideal rationalization product
- Excellent service life
- Environmentally acceptable

- Does not contain nitrite or chlorine
- Does not form sticky deposits on machine surface
- Economical in use
- Multi-metal suitable

#### Applications

Matrix Sol Plus M is suitable for all kind of operations with steel, cast iron, aluminum, brass and copper. The product is suitable for a wide variety of machining operations: turning, milling, tapping, boring and threading. It can also be used in grinding operations when a good finishing is required. For all type of CNC, transfer and metalworking machines.

#### Typical performance data – neat product

Appearance	Amber liquid
Specific Gravity @ 20 °C, gr/ml	0,97
Sodium nitrite	Free
Chlorine content	Nil

#### Typical Performance Data – 5% emulsion (in tap water 150ppm)

Appearance	Milky translucent
pH	9,1
Corrosion test	No corrosion
Foam	Very low

#### Mixing

Matrix Sol Plus M is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. Matrix Sol Plus M is recommended between 5-7% depending on severity of application. For severe machining 7-10%. For grinding from 3 to 5 %. Recommended for water from 100 to 600 ppm and chloride below 0,1 gr/l.

Dilutions can be easily checked by refractometer:

$$\% \text{ concentration} = \text{refractometer reading} \times 1$$

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

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