



Matrix Sol NS-R

Soluble coolant for grinding and general machining

Description

Matrix Sol NS is a new generation, water soluble neo-synthetic cutting fluid. It forms clear transparent emulsions with very low tendency to foam and high cooling properties. Also possesses very good resistance to hard water. Thanks to its formulation it ensures a great biological resistance which makes adding biocides unnecessary. The fluid does not have any negative effects on workers and will protect the machine from rust.

Applications

Sol NS-R is suitable for grinding and many machining operations on all grades of steel, hard steel and cast iron. The product

is suitable for centralized systems and independent machines.

Benefits

- Transparent emulsions, allows to see the operation
- Good cooling and anti corrosives properties
- Excellent service life
- Hard water resistance
- Environmentally acceptable
- Does not contain boron, nitrite or chlorine
- Does not form sticky deposits on machine surface
- Good lubricity and MP features

Typical performance data – neat product

Appearance	Yellowish
Specific gravity @ 20 °C	1,03

Typical Performance Data – 5% emulsion (in tap water 100 ppm)

Appearance	Transparent
pH	9,2
Corrosion test IP-287	No corrosion
Foam	Low

Mixing

Matrix Sol NS-R is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. With hardness water up to 600 ppm and chloride up to 0,15 gr/lit it is recommended to use in concentrations between from 5 to 8% for machining. For grinding operations from 4 to 6 %.

For harder waters or/and higher chloride content it is recommended to increase concentration.

Dilutions can be easily checked by Refractometer:

$$\% \text{ Concentration} = \text{Refractometer Reading} \times 1'5$$

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

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