

# SOL NS-R

Product code: 265301601

## Soluble coolant for grinding and general machining

Matrix Sol NS-R 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.

It 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 & Advantages

- 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 Data

Typical	Value
Appearance	Yellowish
Specific gravity @ 20 °C	1.03

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

Typical	Value
Appearance	Transparent
pH	9.2
Corrosion test IP-287	No corrosion
Foam	Low

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

## Mixing

The product 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:

% Concentration = Refractometer Reading x 1'5