



## Sol-X

### General machining EP soluble lubricant

#### Description

Sol-X is a formaldehyde free soluble metalworking fluid which forms very stable emulsions when mixed with water.

Due to the special formulation ensures a great biological resistance not being necessary to add biocides or fungicides.

Sol-X is a biostatic product with EP properties achieving long life and non-generating additional maintenance costs.

The product does not produce impact on operators and protects the machine from rust.

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

#### Applications

Sol-X is suitable for a wide variety of heavy duty machining operations on all grades of steel, stainless steel, aluminium and yellow metals

The product is suitable for centralized systems and independent machines.

#### Benefits

#### Typical performance data – neat product

Appearance	Amber liquid
Specific gravity @ 20 °C, gr/cm <sup>3</sup>	0,97 +/- 0,02
Sodium nitrite	Free
Chlorine content	Nil

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

Appearance	Amber translucent
pH	9,3 +/- 0,2
Corrosion Test IP-287	No corrosion
Copper corrosion	Nil
Aluminium corrosion	Nil

#### Mixing

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

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Sol-X is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. Hardness of water should be between 100 ppm and 500 ppm and chloride content not higher than to 300 ppm

Sol-X is recommended to use between 4 to 6% depending on severity of application. For severe machining from 6 to 8%.

Dilutions can be easily checked by refractometer.

$\% \text{ concentration} = \text{refractometer reading} \times 1,8$