

SOL 50 D

Product code: 265300401

Grinding and general machining soluble coolant

This product is a semisynthetic metalworking fluid which forms stable micro-emulsions when mixed with water. Thanks to the special bacteriostatic character the fluid ensures a great biological resistance, it is not necessary to add biocides or fungicides. The emulsions lifetime is longer compared to conventional products non-generating additional maintenance costs.

The product has no negative impact or side effects on operators and protects the machine from rust.

It is suitable for a wide variety of machining operations and grinding on all grades of steel and cast iron. The product is suitable for centralized systems and independent machines.

Benefits & Advantages

- High anticorrosive properties
- Good cooling
- Excellent service life
- Environmentally acceptable
- Does not contain nitrite or chlorine.
- Does not form sticky deposits on machine surface.
- Economical in use

Typical Performance Data Neat Product

Typical	Value
Appearance	Clear amber liquid
Specific gravity @ 20 °C, gr/cm3	0.99
Sodium nitrite	Nil
Chlorine	Nil

Typical performance data – 5% emulsion in tap water 100 ppm

Typical	Value
Appearance	Amber translucent
pH	9.5
Corrosion IP-287	No corrosion
Foaming	Low

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

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Mixing

This product 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 600 ppm and chloride content not superior to 0,1 gr/lit. The product is recommended to use between 4 to 6% depending on severity of application. For severe machining from 6 to 10%. For grinding operations from 3 to 5%.

Dilutions can be easily checked by Refractometer.
% Concentration = Refractometer Reading x 2