Matrix specialty lubricants

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Sol Plus 10

Biostatic soluble coolant

Description
Sol Plus 10 is a biostatic metalworking fluid, developed for the extremely demanding application in most types of machining operations which require water based solutions. The product is formulated from selected materials which will not support sump bacteria, which are the cause of separation of conventional emulsions, smell problems and corrosion of components and machine tools.

Applications
Sol Plus 10 is suitable for a wide variety of machining operations, turning, milling, boring, tapping, sawing, on ferrous metals, cast iron, steel and its alloys and aluminium. It is formulated to meet the exacting demands of modern production engineering techniques.

Benefits
- Does not form sticky deposits on machine surface
- Good swarf settling properties
- Eliminates bacteria growth
- Operator friendly
- Environmentally acceptable
- Does not contain nitride, chlorine or phenols
- Excellent service life
- Economical in use

Typical performance data - Neat product

Appearance	Clear amber liquid
Colour	Transparent
Density @ 20 ºC, gr/cm^3	0,95
Sodium nitrite content	Free
Chlorine Content	Nil

Typical performance data - 5% emulsion (in tap water 20 HF)

Appearance	Milky Emulsion
pH	9,2
Corrosion Test IP-287	No corrosion
Corrosion Test IP-125 (Herbert)	0

Mixing
Recommended for water from 5 to 400 ppm and chloride below 0,1 gr/l. Sol Plus 10 is recommended between 3 -10% depending on severity of application. For normal machining 4 - 6%. For stainless steel 7-8%.

All performance data on this Technical Data Sheet are indicative only and can vary during production
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Please keep concentration minimum at 5% when cast iron is machined.

In service strength control
Dilutions can be easily checked by refractometer:

% Concentration = Direct refractometer reading

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