



Matrix Sol 444

Biostable metalworking fluid for steel and cast iron

Description

Matrix Sol 444 is a soluble oil that forms milky emulsion with high anticorrosive properties. Thanks to the high oil content, protects elements and ways of the metalworking machines.

The product has very good wetting properties because of its low surface tension and assures an excellent cooling on the tool edge.

Applications

Matrix Sol 444 is suitable for most of metalworking operations and materials. Suitable for machining steel, iron, cast iron, aluminum and its alloys.

Benefits

- Does not contain sodium nitrite
- Good swarf settling properties
- Economical in use
- Does not smoke or burn
- Good service life

Typical performance data – neat product

Appearance	Oily amber liquid
Specific gravity, gr/ml	0,93
Odour	Sweet
Sodium nitrite	Free
Chlorine content	Nil

Typical Performance Data – 4% emulsion (in tap water 20 °HF)

Appearance	White milky
pH	9,3
Corrosion test (IP-287)	No corrosion
Corrosion test (IP-125)	0
Foam	Low
Stability	Good

Mixing

Matrix Sol 444 is easy to mix, simply add to water and mix concentrate in the appropriate dilution. Sol 444 is recommended to use between 4% to 6%. If cast iron is machined use the product above 5%.

Suitable for water hardness between 0-7 pH.

Concentration = Refractometer reading x 1

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

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