



Matrix Sol Plus 00

General machining metalworking fluid

Description

Matrix Sol Plus 00 is a high performance water soluble cutting fluid that does not contain nitrites, amines, boron nor chlorine compounds. It forms milky emulsions, with low foam and high cooling and anticorrosive properties.

Sol Plus 00 incorporates additives that ensure, when used in the recommended concentration, a superior performance compared with conventional emulsions in terms of finishing and tool life.

Applications

Matrix Sol Plus 00 provides good lubrication and coolant properties due to its microfine nature of the emulsion, improving penetration of the fluid into critical tool/chip interface resulting in superior finish on components and extended tool life. Sol Plus 00 is suitable for all kind of operations with steel and

cast iron, brass, aluminum and copper.

The product is suitable for a wide variety of machining operations as turning, milling, tapping, boring, reaming, broaching and threading.

For all type of CNC, transfer and metalworking machines.

Benefits

- Operator acceptability
- Ideal rationalization product
- Good service life
- Environmentally acceptable
- Does not contain nitrite, boron, amines or chlorine
- Does not form sticky deposits on machine surface
- Economical in use
- Multi metal

Typical performance data – neat product

Appearance	Amber liquid
Specific gravity @ 20 °C, gr/ml	0,95
Pour point, °C	-10

Typical Performance Data –5% emulsion (in tap water 20°HF)

Appearance	Milky translucent
pH	9,3
Corrosion test IP-287	No corrosion
Corrosion aluminium	No corrosion
Corrosion copper	No corrosion

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

Matrix Specialty Lubricants BV - info@lubes-portal.com – www.lubes-portal.com



Mixing

Matrix Sol Plus 00 is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. The product is recommended between 5-10% depending on severity of application. For grinding from 4 to 6 %.

Recommended for water from 100 to 500 ppm and chloride below 0,1 gr/l

Dilutions can be easily checked by Refractometer:

% Concentration =
Refractometer Reading x 1

Storage

Soluble oils are susceptible to frost damage. Store containers indoors to protect extremes of temperature.