



Matrix Sol Plus 108

Synthetic, emulsifiable, not foaming, biostatic fluid for metalworking

Description

Matrix Sol Plus 108 is a synthetic soluble oil specially designed for steel and cast grinding and drawing operations with soft waters, whenever a high surface finish is required.

Matrix Sol Plus 108 is bacteriostatic. It provides the emulsion with a superior useful life, with the consequent economical saving with respect to the frequent changes needed when using a conventional emulsion. Matrix Sol Plus 108 is a special product to be used with soft waters, whenever a high stirring and important flow should provoke foaming. Matrix Sol Plus 108 contains specific additives, which provide the pieces with a superior finish. Moreover the product presents the great advantage of being free of compounds and elements harmful to health and environment, such as nitrites, phenols, chlorine, sulphur, heavy metal, PTBB, mineral biocides, among others.

Benefits

- Synthetic lubricant
- Bacteriostatic
- For steel and cast iron
- For grinding and drawing operations
- For soft water
- Free of harmful components (see above)
- Anti-foaming properties
- Does not induce skin irritation

Use

Matrix Sol Plus 108 shows excellent efficiency in cutting and finish grinding operations. After being used and consequently contaminated with hydraulic or greasing oils and bacteria, it can be ultra-filtered with a special system. Afterwards the product presents perfect conditions to be re-used in the machine.

Behavior in water

Water hardness °HF	Finish grinding	Turning	Drilling	Milling	Sawing
0-10	2-3	5-6	5-6	5	5
0-30	3-4	6	6	5-6	5-6

Physical-chemical characteristics

Appearance of concentrate	Clear yellow liquid
Base oil nature	Synthetic
Appearance of the emulsion	Transparent liquid
ph 5% distilled water	9.2 – 9.6
Paper corrosion - 2% in water 5° HF	Nil
Paper corrosion - 3% in water 20°HF	Nil
Nitrite content	Free
Chlorine content	Free
Refractometer factor	2.15

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

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Cautions

Whenever Matrix Sol Plus 108 emulsion is used for the first time in a machine which had been operating with another product, it is recommended to prepare with a cleaning and disinfecting process first. This operation is essential whenever the emulsion used had got fermentation problems. For such cleaning products please contact our technical service staff.

