



Sol-MB 50

Biostable metalworking fluid

Description

Sol-MB 50 is a formaldehyde free high performance coolant containing maximum levels of lubricity additives combined with other multi-functional components providing the biostatic characteristics.

Applications

Sol-MB 50 is suitable for all types of operations of aluminium and steel. It can also be used in grinding when a high finishing on the surface is required. The superior lubricity characteristic of the product ensure that excellent finish and tool life is achieved even on the arduous machining operations and materials. It is formulated to meet the exacting demands

of modern production engineering techniques.

Benefits

- Operator acceptability
- Ideal rationalization product
- Excellent service life
- Environmentally acceptable
- Does not contain nitrite or chlorine
- Does not form sticky deposits on machine surface
- Multi-metallic corrosion inhibition, i.e. aluminium, steel and brass
- Economical in use
- Formaldehyde free

Typical performance data

Neat Product	
Appearance	Amber liquid
Density @ 20°C, g/ml	0.95
Sodium Nitrite	Free
Chlorine Content	Null
5% Emulsion (in tap water 15°HF)	
Appearance	Slightly translucent liquid
pH	9.4
Corrosion test IP-287	No corrosion
Aluminium Corrosion	No corrosion

Mixing

Sol-MB 50 is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. Hardness of water should be between 100 ppm and 500 ppm and chloride content not superior to 0,3 gr/l.

Sol-MB 50 is recommended between 4-10% depending on severity of application. For normal machining 4-6%. For aluminium reaming, broaching and threading 6-10%.

Control of the concentration by using a refractometer.

$$\text{Concentration (\%)} = \text{Refractometer reading} \times 1.2$$

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

Matrix Specialty Lubricants BV - info@matrix-lubricants.com - www.matrix-lubricants.com