

# MWF-PLUS WS B-STAB 42

WATER SOLUBLE METALWORKING FLUIDS (BIOSTATIC)

325307001

**DYADE**  
LUBRICANTS



## GRINDING & GENERAL MACHINING COOLANT

This product is a formaldehyde-free, semi-synthetic metalworking fluid that forms highly stable micro-emulsions when mixed with water. Thanks to its advanced formulation, it provides excellent biological resistance, eliminating the need for additional biocides or fungicides. This biostatic fluid offers EP (extreme pressure) properties, ensuring long service life and preventing extra maintenance costs. It is safe for operators and effectively protects machines from rust. It is suitable for a wide range of heavy-duty machining operations on all types of steel, stainless steel, brass, aluminium, copper, bronze, and cast iron. It can be used in both centralized systems and stand-alone machines.

This product is ideal for general machining and grinding operations on all grades of steel, hard steel, cast iron, yellow metals, and aluminium. It is compatible with both centralized systems and individual machines. Mixing: The product is easy to mix – simply pour the concentrate into water at the appropriate solution and stir. It is suitable for water hardness from 50 to 800 ppm and chloride content up to 500 ppm. Recommended concentrations: use 4-7% for machining, 7-10% for severe machining, and 3-5% for grinding operations. Dilutions can be easily

checked with a refractometer: % Concentration = Refractometer Reading × 1.2

## CATEGORY

- Metalworking Fluids

## BENEFITS

- High anticorrosive properties
- Good cooling
- Excellent service life
- Environmentally acceptable
- Good EP properties
- Does not form sticky deposits on machine surface
- Economical in use
- Multi-metals
- Formaldehyde free
- Very stable on hard waters

PROPERTY	METHOD	VALUE
Appearance	Neat Product	Amber liquid
Density @ 20 °C, g/ml	Neat Product	0.98
Sodium Nitrite	Neat Product	Free
Appearance	5% Emulsion (in tap water 100 ppm)	Amber translucent
pH	5% Emulsion (in tap water 100 ppm)	9.5
Corrosion Test (IP 287)	5% Emulsion (in tap water 100 ppm)	No corrosion
Copper Corrosion	5% Emulsion (in tap water 100 ppm)	Nil
Aluminium Corrosion	5% Emulsion (in tap water 100 ppm)	Nil

All data on this technical data sheet is indicative only

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**DYADE** MAINTAIN THE THINGS WE VALUE

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