

MWF-PLUS WS GEN 14

WATER SOLUBLE METALWORKING FLUIDS (GENERAL MACHINING)

325306401

DYADE
LUBRICANTS



MULTI-METAL BORON-FREE SOLUBLE COOLANT

This semi-synthetic metalworking fluid is free from both boron and formaldehyde. Its advanced formulation offers excellent biological resistance, eliminating the need for additional biocides or fungicides. The product delivers long service life without generating extra maintenance costs. It is safe for operators and provides effective protection against rust on machine components.

Suitable for a broad range of machining operations on all metal types, including steel, aluminium, cast iron, copper, and brass. The product can be used in both centralized systems and stand-alone machines. Mixing: The product is easy to mix – simply pour the concentrate into water at the appropriate ratio and stir. The recommended water hardness is between 50 ppm and 800 ppm, with a chloride content not exceeding 0.1 g/l. Use a concentration of 5-6% for general machining. For severe machining and alloyed steels, use 7-9%. Dilutions can be easily checked with a refractometer: % Concentration = Refractometer Reading × 1.5

CATEGORY

- Metalworking Fluids

BENEFITS

- High anticorrosive properties
- Contains volatile corrosion inhibitors
- Good cooling properties
- Excellent service life
- Environmentally acceptable
- Does not contain boron, formaldehyde, nitrite or chlorine
- Does not form sticky deposits on machine surfaces
- Economical in use
- Higher tool life
- Good detergency properties
- Environmentally acceptable

PROPERTY	METHOD	VALUE
Appearance	Neat Product	Amber liquid
Specific Gravity @ 20 °C	Neat Product	1.01
Sodium Nitrite	Neat Product	Free
Chlorine Content	Neat Product	Null
Appearance	5% Emulsion (in tap water 150 ppm)	Milky translucent
pH	5% Emulsion (in tap water 150 ppm)	9.8
Corrosion Test (IP-287)	5% Emulsion (in tap water 150 ppm)	No corrosion
Foam	5% Emulsion (in tap water 150 ppm)	Low
Stability	5% Emulsion (in tap water 150 ppm)	Good

All data on this technical data sheet is indicative only

202505V01



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