



REDOIL



EELQMS
EUROPEAN ENGINE
LUBRICANTS QUALITY
MANAGEMENT SYSTEM
Data di prima emissione
07/03/2024

TECHNICAL DATA SHEET

EMULG AL-CU

Coolant Lubricant for Machining

SPECIFICS

TEST CORROSION 3% = 0 DIN 51360/2
ISO 6743/7 MAD ISO-L-MAD

TECHNICAL DESCRIPTION

Special biostatic synthetic cooling lubricant for grinding operations when a brilliant surface finish is required and in all cases of demanding threading, boring and broaching operations. Specifically for machining aluminium yellow metals and their alloys that are difficult to machine, it can be used on single machines, centralised systems and CNC machines. The main features and advantages of using this cooling lubricant are the ability to cool the machining area to prevent seizing and at the same time lubricate the contact area reducing friction and thus heat and temperature.

BENEFITS

- Absence of foam;
- Maximum protection of tool and workpiece;
- Excellent EP power;
- Does not stain metals;
- Excellent emulsion stability even with hard water;
- Excellent anti-corrosive and anti-rust properties of machine tools and workpieces;
- High anti-bacterial power, ensuring a long life of the charges in operation;
- Absence of unpleasant odours with fewer general maintenance problems;
- Low tendency for bacterial colonies to develop.

For further details, please contact the technical department



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Typical characteristics

Properties	Unit	Method	Average values
Appearance	-	Visual	Limpid
Colour	-	-	Yellow-amber
Density at 15 °C	Kg/m ³	ASTM D 1298	1004
Ph emulsion 3%	-	ASTM 1287	7.5
Anti-corrosion emulsion test 3%	-	IP125	supera
Appearance emulsion 3%	-	-	lattescente

Type of processing	Recommended dilutions
RECTIFICATION	2%
TURNING AND MILLING	4-5%
DRILLING	6-8%
TAPPING AND THREADING	6-8%
SAW CUTTING	8-10%

MODE OF USE

Use in accordance with the recommendations in the user and maintenance manual supplied by the manufacturer. Store in a cool, dry place, protected from direct sunlight and at temperatures not exceeding 60°C (140°F).

SAFETY AND ENVIRONMENT

Use in accordance with the recommendations provided in the Safety Data Sheet. Additional information on MSDS.