

VALONA MQL 3046



Metalworking

TOTAL

Chlorine-free neat cutting oil for microlubrication.

APPLICATIONS

- **VALONA MQL 3046** is a neat chlorine-free cutting oil applied by micro-spraying and intended for machining ferrous and non-ferrous metals and aluminium alloys.
- **VALONA MQL 3046** is particularly suitable for processes involving milling, tapping, drilling, reaming and sawing.
- **VALONA MQL 3046** is also well suited to forming operations:
 - bending and expanding of copper or aluminium alloy pipes for radiators and heat exchangers in automotive vehicles.
 - blanking operations (by spraying).

ADVANTAGES

- **VALONA MQL 3046** possesses enhanced lubricating properties so as to be effective in small quantities.
- **VALONA MQL 3046** is a product based on plant sources selected for:
 - best possible performance,
 - excellent mist control,
 - low odour.
- Ensures cleanliness of machines and their environment.
- **VALONA MQL 3046** means:
 - less lubricants used,
 - elimination of waste costs,
 - improved chip management.

TYPICAL CHARACTERISTICS	METHODS	UNITS	VALONA MQL 3046
Appearance	-	-	Clear
Colour	-	-	Light yellow
Odour	-	-	none
Density at 15°C	ISO 3675	kg/m ³	915
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	46
Flash point (open vessel)	ISO 2592	°C	330
Biodegradability	CFC L-33-A-93	%	> 95

The characteristics shown in this table are typical values given for illustrative purposes.

TOTAL LUBRIFIANTS
Industrie & Spécialités
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VALONA MQL 3046
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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com.