

VALONA MS 5009



Metalworking

Chlorine-free neat cutting oil for severe machinings.

UTILISATIONS

- **VALONA MS 5009** is a very low viscosity **chlorine-free neat cutting oil dedicated to** both ferrous and non-ferrous metals.
- **VALONA MS 5009** is widely used on cutting operations such as screw-cutting on aluminium and copper alloys, on low-carbon steels and medium steels.
Machinings lubricated : drilling, turning, screwcutting, milling, threading, tapping, sawing.

ADVANTAGES

- **Outstanding cooling properties**
Dissipates the heat generated on the tool, the chips and the workpiece,
- **Good antiwear and extreme pressure performances**
Increases the tool lifetime,
Prevent ridging,
Very good surface finish.
- **Outstanding oxidation resistance**
- **Excellent compatibility with seals and paintings** (use of highly refined base oils characterised by a high aniline point).
- **Low mist oil formation.**

TYPICAL CHARACTERISTICS	METHODS	UNITS	VALONA MS 5009
Appearance	-	-	Clear liquid
Colour	-	-	Yellow
Density at 15°C	ISO 3675	kg/m ³	853
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	9
Copper corrosion	ISO 2160	-	1a
Open cup flash point	ISO 2592	°C	156
Aniline point	ISO 2977	°C	89

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités

2 july 2002 (supersedes 23 july 2001)

VALONA MS 5009

1/1

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.

