

# VALONA MS 7116 HC



*Metalworking*

Chlorine-free neat cutting oil for the lubrication of severe machining operations.

## UTILISATIONS

- **VALONA MS 7116 HC** is a **fluid chlorine-free neat oil** for the machining of ferrous and non-ferrous metals.
- **VALONA MS 7116 HC** is more specially suited to machining operations involving hard and extra hard steels (steels for ball bearings), special and stainless steels, refractory alloys (INCONEL, NIMONIC and WASPALLOY), titanium alloys (aeronautical and medical applications), cast, laminated and forged aluminium. It can be used in the machining of brasses and copper alloys  
**Routinely lubricated operations:** drilling, reaming, milling, turning, threading, tapping, sawing.

## ADVANTAGES

- **Good anti-wear and extreme-pressure performances:**
  - increases the service life of the tool.
  - prevents the phenomenon of chip adhesion on the cutting tools.
  - prevents the formation of built-up edges.
  - very good surface state and tolerance compliance.

This product is formulated from a hydrocracked base stock and provide many advantages:

- **Very little odour** due to its low aromatic compound content.
- **Improvement to operators health** due to almost no carcinogenic compounds as polycyclic aromatic hydrocarbons present in the oil.
- **Reduced oil mists and less product consumption** through evaporation, due to low levels of volatility.
- **Supreme product life** is ensured though increased oxidation stability.
- **Improved filtration ratio**, due to efficient degassing of the product.
- **Excellent compatibility against elastomers and paints**

STANDARD PROPERTIES	METHODS	UNITS	VALONA MS 7116 HC
Appearance	-	-	Clear liquid
Colour	ISO 2049	0 to 8	3 Maxi
Smell	-	-	Slight
Density	ISO 3675	kg/m <sup>3</sup>	862
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	16
Copper corrosion 3 h at 100 °C	ISO 2160	quotation	1b
Open cup flash point	ISO 2592	°C	>180

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
INDUSTRIE  
15-06-2015 (supersedes 21-10-2013)  
VALONA MS 7116 HC  
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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. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).