



Valona MS 7116 HC

DESCRIPTION

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

APPLICATIONS

- **VALONA MS 7116 HC** is for the machining of ferrous and non-ferrous metals
- **VALONA MS 7116 HC** is more especially 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 aluminum. It can be used in the machining of brasses and copper alloys **Routinely lubricated operations:** drilling, reaming, milling, turning, threading, tapping, sawing.

ADVANTAGES

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

- **Very good anti-wear and extreme pressure performances:**
 - increases the tool lifetime,
 - prevents ridging,
 - very good surface finish,
- **Very little odor** 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.**

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 advisor or downloaded at ms-sds.totalenergies.com

TECHNICAL DATA SHEET

V.01/2024

Valona MS 7116 HC



TYPICAL CHARACTERISTICS

Typical characteristics	Methods	Units	Valona MS 7116 HC
Appearance	-	-	Clear liquid
Color	ISO 2049	0 to 8	3 Maxi
Smell	-	-	Slight
Density	ISO 3675	kg/m ³	862
Kinematic viscosity at 40°C	ISO 3104	mm ² /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.

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