



Eni metalCut WUS HC 202

Eni metalCut WUS HC 202 is a high-performance cutting oil based on highly refined HC base oils (hydrocracking technology), specifically developed for demanding machining operations on a wide range of materials.

It delivers outstanding lubricating and cutting performance, enabling excellent machining results with superior surface finish. Its balanced EP additive technology effectively reduces tool wear while ensuring a high level of process reliability.

In addition, the product offers excellent thermal and oxidative stability as well as outstanding air release properties.

Eni metalCut WUS HC 202 is particularly - thanks to its exceptional performance characteristics - well suited for industries with stringent quality requirements, such as the watchmaking, medical device, and precision engineering industries.

Physical properties (typical values):

Eni metalCut WUS HC 202	Value	Unit	Test procedure
Viscosity (40°C)	15	mm ² /s	DIN EN ISO 3104
Density (15 °C)	847	kg/m ³	DIN EN ISO 12185
Flash point COC	176	°C	DIN ISO 2592
Copper corrosion (3h / 100 °C)	1b (slight tarnishing)	Corr.-Grade	ASTM D 130

Quality features:

- Hydrocracked (HC) base oil technology
- High lubricating and cutting performance
- Cost-efficient operation through reduced tool wear
- Excellent oxidation resistance and ageing stability
- Low oil mist formation
- Outstanding corrosion protection
- EP additive technology for high machining performance and excellent surface finish
- Excellent air release properties and low foaming tendency

Application:

General machining, deep hole drilling, broaching.

Minimum shelf life / storage conditions:

24 months at a temperature of 5 °C to 40 °C in a closed container.

In order to maintain the functionality of the cooling lubricant, frost-free storage is necessary.

Remarks:

Due to the raw materials selected, slight variations in color and appearance may be possible. However, these have no influence on the functionality of the product. Please refer to the safety data sheet for instructions on safe handling.

Notice:

For use, please observe the applicable VDI guidelines 3035 and 3397 (1-3).

DGUV rule 109-003 - Activities with cooling lubricants (previously: BGR/GUV-R 143) - must be applied for safe handling.