



SHELL MACRON 2425 S-14

Metal Working **Neat Cutting Oil**

- Chlorine free
- Low aromatic components
- Low oil mist and vapour
- Free of heavy metals

APPLICATIONS

Shell Macron 2425 S-14 is a high performance grinding oil, used for flute grinding on high-speed steel as well in combination with ceramic- and diamond- or boron nitride grinding wheels.

Shell Macron 2425 S-14 can also be used for grinding of spiral toothed bevel gears and flat or cylindrical grinding processes on complete range of steels and non-ferrous metals

CHARACTERISTICS

Shell Macron 2425 S-14 is a chlorine-free, high performance neat grinding oil. Shell Macron 2425 S-14 is based on specially treated mineral base oil for enhanced skin compatibility. A well-selected combination of chemically-active phosphorous additives together with polar additives provide particularly high load carrying properties. Through this prolonged tool life and the excellent surface finish of the machined workpieces are achieved.

Shell Macron 2425 S-14 does not discolour non-ferrous and light metals, has a very mild odour and due to its light colour permits good observation of the grinding process.

TYPICAL PHYSICAL CHARACTERISTICS OF SHELL MACRON 2425 S-14

	Unit	Method	Shell Macron 2425 S-14
Kinematic viscosity		DIN 51 562	
• at 20 °C	mm ² /s		13,3
• at 40 °C	mm ² /s		
• at 100 °C	mm ² /s		
Density at 20 °C	kg/m ³	DIN 51 757	863
Flash point COC	°C	DIN /ISO 2592	170
Pour point	°C	DIN/ISO 51 597	
Appearance			yellowish

These characteristics are typical of current production.

Whilst future production will conform to Shell's specification, variation in these characteristics may occur.

REMARKS

-Storage

Recommended temperature: 5 - 40 °C

Storage time: 3 years

Storage class (VCI-concept): 10

-Compatibility

With other or similar based cutting oils.

-Health and safety

For further information please mind the current material safety data sheet.