

Shell MACRON® 2425 S-14

Metalworking neat cutting Oil

Shell MACRON® 2425 S-14 is a chlorine free, heavy metal free neat cutting oil containing low aromatic components delivering a benefit of low oil mist and vapor.

Performance Features and Benefits

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 may be achieved.

Shell MACRON® 2425 S-14 does not stain non-ferrous and light metals, has a very mild odor and due to its light color, permits good observation of the grinding process.

Main 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.

Advice on applications not covered in this handbook may be obtained from your Shell representative.

Storage Requirements

Recommended temperature: 41-104 °F

Storage time: 3 years

Handling and Safety Information

Shell MACRON® 2425 S-14 is unlikely to present any significant health and safety hazard when properly used in recommended applications and good standards of industrial and personal hygiene are maintained.

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.

Typical Physical Characteristics

	Unit	Method	Shell MACRON® 2425 S-14
Kinematic Viscosity @ 40 °C	cSt	ASTM 445	13.3
Density @ 20 °C	kg/L	ASTM 445	0.863
Flash Point COC	°C	ASTM D 92	170
Appearance		Visual	Yellowish

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.