

# Shell MACRON® SL 502

## Neat Cutting Oil

Shell MACRON® SL 502 is a product based on ester derivate for MQL (Minimum Quantity Lubrication)

### Performance Features and Benefits

- Good tool life and improved surface finish of the machined work pieces
- Excellent oxidation stability
- Extremely low oil mist
- Skin compatible and friendly
- Environmentally responsible
- Chlorine free
- Sulfur free
- Free of heavy metals (zinc free)
- Free of aromatic hydrocarbons

### Main Applications

Shell MACRON® SL 502 is designed for MQL Minimum Quantity Lubrication. It is used for operations such as drilling, tapping, sawing, reaming in a wide range of materials such as steel of low to medium tensile strength, yellow metals and especially for aluminum alloys. The product is totally consumed during machining if used in the right dosage.

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

### Storage Requirements

The product should be stored inside (41 – 104°C) for no more than 2 years and be protected from freezing.

### Handling and Safety Information

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® SL 502
Appearance		visual	clear
Density @ 20 °C	kg/L	ASTM D 4052	840
Viscosity @ 40 °C	cSt	ASTM D 445	20
Flash Point COC	°C	ASTM D 92	160
Pour Point	°C	ASTM D 97	-39
Cu Corrosion Test 3h @ 100 °C		ASTM 130	1a

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