

Lubrimax[®] Edel C

Lubrimax[®] Edel C is high grade vegetable oil with additives, developed for MQL. It is used mainly in machining processes. The materials that it can be used with range from unalloyed steels to hard, high-alloy high grade steels. Lubrimax[®] Edel C has excellent wetting properties and the high grade EP additives improve the edge life of the tools. Special additives prevent Lubrimax[®] from oxidising and thereby resinifying. Lubrimax[®] Edel C is applied undiluted in small quantities. MQL systems with exact metering for the smallest quantities are suitable for applying Lubrimax[®] Edel C.



Chemical-physical data

Colour	yellow	Density	0.93 g/cm ³ (15 °C)
Setting point	< -15 °C	Initial boiling point	not available
Flash point	200 °C	Ignition temperature	> 200 °C
Viscosity	88 mm ² /s (20 °C) 43 mm ² /s (40 °C)	Water hazard class	WGK1

Lubrimax[®] Alu-Quick

Lubrimax[®] Alu-Quick is a hydrocarbon mixture. Lubrimax[®] Alu-Quick is used mainly in machining of aluminium and forming of thin-walled metals up to 0.5 mm thick. Lubrimax[®] Alu-Quick is odour-neutral and when applied in thin coats, evaporates in the minimum amount of time, leaving the workpiece and chips virtually dry. Lubrimax[®] Alu-Quick is applied undiluted in thin coats. MQL systems with exact metering for the smallest quantities are suitable for applying Lubrimax[®] Alu-Quick.



Chemical-physical data

Colour	colourless	Density	0.76 g/cm ³ (20 °C)
Setting point	not available	Initial boiling point	190 °C
Flash point	76 °C	Ignition temperature	not available
Viscosity	3.0 mm ² /s (20 °C) 1.5 mm ² /s (40 °C)	Water hazard class	WGK1

Lubrimax[®] Alu Fleckfrei

Lubrimax[®] Alu Fleckfrei is a fatty alcohol mixture, specially developed for MQL for use in metal-cutting and chipless aluminium forming operations with additional heat treatment. Lubrimax[®] Alu Fleckfrei does not leave any tiny marks on the workpiece. Lubrimax[®] Alu Fleckfrei has a high lubrication effect, good wetting properties, is low-odour, is not harsh on the skin and is biodegradable. Lubrimax[®] Alu Fleckfrei is applied undiluted in small quantities. MQL systems with exact metering for the smallest quantities are suitable for applying Lubrimax[®] Alu Fleckfrei.



Chemical-physical data

Colour	colourless	Density	0.84 g/cm ³ (15 °C)
Setting point	approx. -68 °C	Initial boiling point	290 °C
Flash point	156 °C	Ignition temperature	ca. 260 °C
Viscosity	45 mm ² /s (20 °C) 20 mm ² /s (40 °C)	Water hazard class	WGK1

Twinmax®

Twinmax® is a water-soluble lubricoolant for MQL based on vegetable oils and emulsifiers in specific proportions. In addition to extremely low consumption, Twinmax® offers excellent results in extra heavy machining of metals and all NE metals, e.g. increased tool service life. Twinmax® also offers a high level of protection against corrosion and wear. The emulsion leaves behind no sticky residues. Twinmax® is used at a concentration of 5 % -10 %. In exceptional cases, it can also be used undiluted. MQL systems with exact metering for the smallest quantities are suitable for applying Twinmax® as well as systems for larger quantities.



Chemical-physical data

Colour	amber	Density	1.9 g/cm ³ (20 °C)
Setting point	+2 °C	Initial boiling point	°C)
Flash point	not available	Ignition temperature	not available
Viscosity	180 mm ² /s (20 °C)	Water hazard class	not available
	70 mm ² /s (40 °C)		WGK1

Recommended micro lubrication lubricoolants depending on material type:

plastics / non ferrous metal	unalloyed & low-alloyed steel	high alloyed steel
	Lubrimax Edel C	
Lubrimax Alu-Quick		
Lubrimax Alu Fleckfrei		
	Twinmax (pur)	
	Twinmax (Emulsion)	

Ordering information:

Lubrimax® Edel C	5 l	890 003
	20 l	890 004
	200 l	890 005
Lubrimax® Alu-Quick	5 l	891 503
	20 l	891 504
	200 l	891 505
Lubrimax® Alu Fleckfrei	5 l	890 503
	20 l	890 504
	200 l	890 505
Twinmax®	5 l	896 003
	20 l	896 004
	200 l	896 005

Please note: All our lubricoolants are free of PCB, PCT and other inorganic chlorine compounds, nor do they contain nitrosamines or secondary amines.

Lubrimat® L60
Sawfix® SF

Centermat® C30
Toolmat® T70

Spraymat®
S700

Pulsomat®
P35

Lubrimax®
lubricoolants

Examples of
application