

Product information

DiaMond Superfinishoil

The superfinishoil DiaMond is a perfectly clear, odourless and tasteless synthetic oil of utmost purity. It is almost free of aromatic compounds and, due to its ionic active ingredients and skin protecting additives it ensures optimal surface quality in conjunction with the greatest possible safety. When used in super finish or lapping machines, it is excellently suited for use with metal, ceramic and resinoid-bonded grinding and lapping wheels, as well as with CBN and diamond grinding discs.

DiaMond superfinishoil is recommended by leading machine manufacturers like Hauser, CH-Biel (License no.: 230722).

It offers the following advantages, as compared with conventional fluids:

- Life of grinding wheels and honing tools is five times as long = highest possible repetitive accuracy
- Cutting rate is increased
- Good cooling properties helps to prevent heat cracks
- High quality rinsing together with optimal filtration
- No bad smell, pleasant to the skin, non-toxic

Compared to water-soluble products it has the following advantages:

- Independent to the water quality (hardness and acidity)
- No sticking, no thickening
- Watch over the emulsion is not necessary
- No rusting, no bacteria

Technical facts

DiaMond	60	80	100	120	160	Norm
Density at +15 °C [g/cm³]	0,77	0,78	0,78	0,82	0,83	ASTM D 7042
Kin. viscosity at +20 °C [mm²/s]		3,0	3,4	5,8	9,8	ASTM D 7042
Kin. viscosity at +40 °C [mm²/s]	2,0	2,0	2,4	3,6	6,0	ASTM D 7042
Flashpoint [°C]	63	82	106	114	160	DIN EN ISO 2719
Pourpoint [°C]	-40	-40	-5	<-5	<-5	DIN ISO 3016
Danger class (VbF)	A III	AIII	-	-	-	

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