

# Product information

## MetaCon UV

### Hardening oils

Quenching oils are used for hardening work-pieces. This is achieved by quenching the heated workpiece in an oil bath. As a result the structure of the material changes. In order to relieve stresses it is essential that the work piece is tempered after hardening.

MetaCon UV (hardening oils)

The hardening oils MetaCon UV have a mild quenching effect. They minimize discolouring of the workpiece during quenching. They possess a high ageing stability and thus will retain their durability in the oil baths.

<b>MetaCon UV 53</b>	for the smallest work-pieces e.g. watch springs
<b>MetaCon UV 57</b>	for work-pieces up to 1 kg
<b>MetaCon UV 61</b>	for work-pieces up to 5 kg
<b>MetaCon UV 63</b>	for work-pieces bigger than 5 kg
<b>MetaCon UV 71</b>	tempering oil for warming/heating of the work-pieces up to the tempering temperature

Technical facts:

<b>MetaCon</b>	<b>UV 53</b>	<b>UV 57</b>	<b>UV 61</b>	<b>UV 63</b>
Density at +15 °C [g/cm <sup>3</sup> ]	0,87	0,86	0,88	0,88
Kin. viscosity at +40 °C [mm <sup>2</sup> /s]	8,5	32	68	100
Flashpoint [°C]	145	210	220	230

11/2011