



MULTICAL®

Calibration lubricants



Zeller+Gmelin
Mineralöle · Druckfarben · Chemie

MULTICAL® Calibration lubricants

Product name	Operational safety regulation	Solvent	Evaporation speed
Non water-miscible, solvent containing and wax-free calibration oils			
MULTICAL T 80	inflammable	white spirit	high
MULTICAL T 40	inflammable	white spirit	high
MULTICAL TF 80	inflammable	white spirit	high
MULTICAL IP 80	-	paraffined hydrocarbons	standard
MULTICAL IP 40	-	paraffined hydrocarbons	standard

Product name	Operational safety regulation	Solvent	Evaporation speed
Non water-miscible, solvent- and wax-containing calibration oils			
MULTICAL WT 70	inflammable	white spirit	high
MULTICAL WT 80	inflammable	white spirit	high
MULTICAL WP 50	-	paraffined hydrocarbons	standard

Product name	31. federal imission control regulation	Solvent	Viscosity mm ² /40° C
Non water-miscible, solvent- and wax-free calibration oils			
MULTICAL M 5	VOC-free	solvent-free	ca. 5
MULTICAL M 9	VOC-free	solvent-free	ca. 9
MULTICAL M 50	VOC-free	solvent-free	ca. 50

Product name	31. federal imission control regulation	Solvent	Evaporation speed
Water-miscible calibration oil			
MULTICAL WM EP	VOC-free	water	-

● standard
 ●● middle
 ●●● high
 ●●●● very high

Protection film after evaporation of the solvent	Recommendation for application	Calibration capacity
touch-dry	dipping + spraying	●●
slightly oily	dipping + spraying	●●●
touch-dry	dipping + spraying	●
touch-dry	dipping + spraying	●●
slightly oily	dipping + spraying	●●●●

Protection film after evaporation of the solvent	Recommendation for application	Calibration capacity
waxy	dipping + spraying	●●●●
slightly waxy	dipping + spraying	●●●●
grease-like	dipping + spraying	●●●

Protection film	Recommendation for application	Calibration capacity
oily	spraying	●●●
oily	spraying	●●●
oily	spraying	●●●●

Protection film	Recommendation for application	Calibration capacity
touch-dry	dipping	●



MULTICAL® calibration lubricants are suitable for all common after-treatment processes, such as damp treatment (blueing), heat treatment or plasma-nitride. In general solvent-containing products are preferable to oily products, as there remain less lubricant residues on the parts after calibration.

All **MULTICAL® calibration lubricants** offer a temporary corrosion protection which increases with growing film thickness. Therefore, the oily products offer a higher corrosion protection compared to solvent-containing ones.

In the field of solvent-containing products **MULTICAL® TF 80** offers the best corrosion protection.



PROGRAM

Industrial lubricants

MULTICAL®	calibration lubricants
MULTICOR®	corrosion protection lubricants
MULTICUT®	non-water-miscible cooling lubricants
MULTIDRAW®	wire drawing lubricants
MULTIDRAW®	deep-drawing lubricants
MULTIPRESS®	extrusion oils
TEXTOL®	lubricants for the textile industry
ZUBORA®	water-miscible cooling lubricants
FETTE®	high performance lubricating greases
DIVINOL®	guideway and slideway oils, hardening oils, adhesive oils, hydraulic oils, industrial gear oils, commercial white oils, compressor oils, cylinder oils

You can find our products in over 100 countries world-wide.



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