

Elma Cleaning Solutions for Watches and Metallic Precision Parts



cleaner <small>product-info</small>	! safety	application	attributes	dosage [%]	time [°C] temp. [min.]
elma cleaning concentrate 1 : 9 aqueous cleaning concentrate		Aqueous cleaning step for disassembled watches/clocks. e.g. with ultrasonics or with rotation or vibration procedure.	liquid, ammoniac, emulsifying, pH(conc.): 10-11 alkaline.	Ultrasonic bath: 9 % eq. 90 ml / l (1 : 9).	Ultrasonic bath: 3 – 10 min. at room temperature.
elma cleaning solution wf liquid cleaning solution <ul style="list-style-type: none"> • water-free • ready-to-use 		Water-free cleaning step for mechanic watches with ELMA - watch cleaning devices. Coldly-cleaning solution for cleaning, de-resinifying and brightening of metallic parts.	liquid, CKW-/FCKW-free, emulsifying.	ready-to-use	3 – 12 min. at room temperature.
elma suprol special liquid rinsing solution <ul style="list-style-type: none"> • water-free • ready-to-use 		Last residue-free rinsing step in ELMA - watch cleaning devices. - Rinses rests of cleaning solution after cleaning with elma cleaning solution wf ; - displaces water and dries after aqueous cleaning with elma cleaning concentrate 1:9 and aqueous rinsing.	liquid, CKW-/FCKW-free.	ready-to-use	About 3 min. at room temperature.
elma unimix liquid lubrication solution <ul style="list-style-type: none"> • water-free • ready-to-use 		Lubrication of parts in a single rinsing & regreasing step in the third bath, i.e. after (1) water-free cleaning with elma cleaning solution wf (2) subsequent rinsing with elma suprol special .	liquid, CKW-/FCKW-free.	ready-to-use	About 3 min. at room temperature.
elma spirol liquid degreasing solution <ul style="list-style-type: none"> • water-free • ready-to-use 		Degreasing of balance wheels, hairsprings and metallic precision parts. Dip and move the objects in a small volume of elma spirol .	liquid, CKW-/FCKW-free.	ready-to-use	About 3 min. at room temperature.
chronoclean 1 : 20 aqueous ultrasonic cleaning concentrate		Aqueous cleaning step for disassembled watches/clocks, metallic precision parts and assemblies. Removes renious oil and rust traces. Brass and copper alloys are gently brightened.	liquid, emulsifying, pH(conc.): 8-9 neutral.	Ultrasonic bath: 5 % eq. 50 ml / l (1 : 20).	Ultrasonic bath: 5 – 15 min, up to 75 °C.