








ELMA CLEANING SOLUTIONS FOR JEWELRY CLEANING

Cleaner product-info	 safety	application	attributes	dosage [%]; [ml/l]	time [min.] temperature [°C]
elma clean 75 jewelry cleaning concentrate <ul style="list-style-type: none"> intensive cleaning quickly brightening 		For workshop and laboratory. Cleans: precious metals, jewelry with hard gems, non-ferrous metals. Removes: dirt, fat, grease, sweat, oxides, rouge, lapping residues, polishing paste. Not for soft gems as lapislazuli etc., amber, pearls or corals !	liquid, with ammoniac, emulsifying, pH(conc.): 10-11 alkaline.	Ultrasonic bath: 5 – 10 % eq. 50 – 100ml/l Immersion bath: 15 % eq. 150ml/l	Ultrasonic bath: 5 – 10 min. Worn jewelry: at room temperature. Repair, manufacture: 50 – 70 °C. Immersion bath: 15 min at 50 – 75°C.
elma clean 85 jewelry cleaning concentrate <ul style="list-style-type: none"> very gentle cleaning not brightening metals. 		For jewelry manufacturing and restoration of worn jewelry. Cleans: precious metals, gems and plastic materials. Removes: sweat, cosmetic traces, grease, lapping & polishing paste. Do not use ultrasonics at < 50 kHz for soft gems, pearls or corals etc.	liquid, emulsifying, pH (conc.): 8-9 neutral.	Ultrasonic bath: 5 % eq. 50 ml / l. Immersion bath: 10 % eq. 100 ml / l.	Ultrasonic bath: 1 – 5 min 30 – 60 °C. Immersion bath: 10 – 30 min 50 – 75°C.
elma super clean jewelry cleaning concentrate <ul style="list-style-type: none"> gentle cleaning slowly brightening 		For restoration of worn jewelry. Cleans: jewelry from precious metals as gold, silver, also with gems. Removes: dust, fingerprints, sweat, grease, emulsions. For soft gems - lapis, amber, pearls etc. - use ultrasound only at >=50 kHz! Not suitable for corals!	liquid, weakly ammoniated, pH (conc.): 10 mildly alkaline.	Ultrasonic bath: 3 - 10 % eq. 30-100 ml / l. Immersion bath: 0 - 20 % eq. 100-200 ml / l.	Ultrasonic bath: 3 – 5 min at room temperature. Immersion bath: 5 – 10 min at room temperature.
elma ultra clean jewelry cleaning concentrate <ul style="list-style-type: none"> gentle cleaning strong brightening of gold 		For jewelry manufacturing and restoration of worn jewelry. Cleans: Precious metals as gold & the alloys and jewelry with gems. Removes: sweat, grease, emulsions, lapping and polishing paste. For soft gems - lapis, amber, pearls etc. – use ultrasound only at >=50 kHz! Not suitable for corals!	liquid, emulsifying, cyanide-free, pH (conc.): 12 alkaline.	Ultrasonic bath: 5 –20 % eq. 50-200 ml / l. Immersion bath: more than 20 % eq. 200 ml / l.	Ultrasonic bath: 2 – 10 min. at 30 – 60 °C. Immersion bath: about 10 min. at 30 – 60 °C. For waxes & resins: up to 80 °C.
elma noble clean jewelry cleaning solution <ul style="list-style-type: none"> ready to use intensive cleaning very quickly brightening 		For jewelry manufacturing and restoration of worn jewelry . For immersion, wiping and ultrasonic cleaning. Cleans: precious metals as gold, silver, platinum and their alloys. Not suitable for soft gems, pearls or corals!	liquid, emulsifying, cyanide-free, pH (conc.): 1 acid.	Ultrasonic bath: 50 % eq. 500 ml / l. Immersion bath: undiluted. Wiping: undiluted.	Ultrasonic bath: 15 – 45 sec at room temperature. Immersion bath: 10 – 15 sec at room temperature.
elma opto clean optics cleaning concentrate <ul style="list-style-type: none"> universal for spectacle frames, glasses. 		Cleans: spectacle frames, mineral and organic glasses, other optical pieces - also made from plastics. Removes gently grease and sweat deposits and brightens most metallic frames.	liquid, emulsifying, pH (conc.): 9 mildly alkaline.	Ultrasonic bath: 5 % eq. 50 ml / l.	Ultrasonic bath: 1 – 10 min at room or elevated temperatures.