

ELMA RED 1:9

Description

ELMA RED 1:9 is a highly efficient cleaning concentrate for the aqueous cleaning of watch movement parts and metal precision parts. It is made especially for watch cleaning machines.

Resinous oil is removed very gently and efficiently. Brass and gold alloys are brightened.

It can be used in the watch cleaning machines Elmasolvex SE and Elmasolvex RM as well as in all previous Elma watch cleaning machines, e.g. RM 90 and Super Elite with rotation and vibration procedures. **ELMA RED 1:9** must not be used in the Elmasolvex VA, because in this machine only solvent-based cleaners may be used!

Application and Dosage

- Dosage: Use 1 part concentrate with 9 parts of water (10 %) • Tap water and de-ionised water are suitable.
- Cleaning time: 3-10 min. depending on the grade of contamination.
- After the cleaning process the cleaned objects are rinsed with de-ionised water. For fast drying, the water is best displaced by treating the objects with SUPROL PRO, followed by air-drying.
- Should the solution become cloudy after prolonged use, the cleaning effect might be reduced. Prepare a fresh cleaning solution.

Safety Recommendations

ELMA RED 1:9 is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (skin irritation, eye irritation, narcotic effect, hazardous to the aquatic environment - chronic category 3).

Observe also with respect to this the hints indicated in the safety data sheet and always handle chemicals with care.

Physical-chemical characterisation

- Density: 1.008 g/ml • pH (concentrate): ca.10.6 • pH (1:9 dilution ratio): ca. 9.7.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
<5 % anionic surfactants, 15-30 % ammonium soap.

Disposal

The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC) No 648/2004 on detergents.

The used cleaning solution can be fed into the public sewage system after neutralisation; observe the local pH limit values and make sure that the contamination contained in the used cleaning solution complies with the local sewage regulations. Recommendation for neutralisation in ultrasonic bathes: Use acetic acid or citric acid there – do not use hydrochloric or sulphuric acid there!

European waste code: 20 01 29*, „detergents containing dangerous substances“.

Volumes, Storage and Transport

- Available volumes: 0.5 l bottle [REF 5800100000](#) and 1 l bottle [REF 5800200000](#) , 2.5 l can [REF 8000327](#), 5 l can [REF 5800300000](#), 10 l can [REF 5800400000](#) and 25 l HDPE-can [REF 5802500000](#).
- Store in closed original container only at a temperature above +5 °C, protected from heat and direct solar radiation. Store at a cool place. Do not store together with acids or alkalies.
- Shelf life: 3 years from date of production (see lot on label).
- Classification for all means of transport: no hazardous material.

Accessories

- Tap (outlet tap): for 5 / 10 l cans [REF 8000003927](#) • for 25 l can [REF 8000003928](#).
- Dosing cup: 250 ml vol./5 ml-scale [REF 8000643](#) • 1000 ml vol./10 ml-scale [REF 8000647](#).