

## EC 90

### Description

EC 90 is an aqueous, neutral cleaning concentrate for jewellery and watch parts (cases, straps, clasps, bezels) to remove polishing pastes and general contamination. Applicable in immersion bath with or without ultrasound for precious metals, stainless steel, non-ferrous metals, aluminium, costume jewellery and jewellery with hard stones.

The cleaning of amorphous and soft stones (e.g. pearls, corals, amber etc.) is recommended with EC 90 in ultrasonic bath at frequencies  $\geq 80$  kHz (e.g. Elmasonic P) or in immersion bath. At lower frequencies, ultrasonic damage can occur!

### Application and Dosage

#### ■ Attention:

If cleaning aluminium parts, e.g. bezels, make sure the parameters given in the table below should be observed!

Application	Type of water	Dosage	Temperature	Cleaning time
Ultrasonic cleaning	Tap water	2-4 vol%	25-70 °C	2-15 min.
Ultrasonic cleaning	Softened water	1-2 vol%	25-70 °C	2-15 min.
Immersion bath	Tap water	4 vol%	25-70 °C	2-15 min.
Longer immersion of components	Tap water	2 vol%	Ambient temperature	Several hours resp. overnight

- After cleaning, rinse thoroughly with cold water and dap off or dry without stainings.
- Renew the cleaning solution if the cleaning performance decreases!

### Safety Recommendations

**EC 90** is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (serious eye damage, skin irritant, 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: 1.084 g/ml • pH (concentrate):  $\sim 8.8$  • pH (2 % solution):  $\sim 8.0$ .
- Ingredients according to Annex VII A, Regulation (EC) No 648/2004 on detergents:  
15-30% anionic surfactants, 15-30% non-ionic surfactants, <5% amine-soaps, <5% phosphates, <5% polycarboxylates, perfumes.

### 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; observe the local pH limit values and make sure that the contamination contained in the used cleaning solution complies with the local sewage regulations.

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

### Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle [REF](#) 8000760, 2,5 l HDPE-can [REF](#) 8000775, 5 l HDPE-can [REF](#) 8000776, 10 l HDPE-can [REF](#) 8000777 and 25 l HDPE-can [REF](#) 8000778.
- Store in closed original container at a temperature between +5°C and +30°C, protected from heat and direct solar radiation. Do not store with strong oxidizing agents.
- Shelf life: 2 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.