

## EC 10



### Description

**EC 10** is a liquid, alkaline universal cleaning concentrate for thorough ultrasonic and immersion cleaning of alkali-resistant parts and medical devices such as medical and dental instruments, crowns, impression trays, laboratory equipment etc. made of stainless steel, steel, ceramic, glass, plastic and rubber.

**EC 10** removes blood, saliva, proteins, tissue and bone residues as well as fats, oils, grinding and polishing pastes.

Not suitable for aluminum, zinc and light metal alloys as well as for alkali-sensitive plastics and plastics that are susceptible for stress cracking e.g. ABS and PC.

### Application and Dosage

- Dosage for ultrasonic and immersion bath: 5 % by volume in water, i.e. for 1 liter of 5 vol.-% solution mix 50 ml EC 10 with 950 ml water. Increase the dosage for stronger contaminations up to 10 vol.-%.
- Ideal temperature range: 50-80 °C. Remove fresh blood and proteins in cold cleaning solution, otherwise coagulation makes cleaning more difficult.
- Cleaning time: in ultrasonic bath: 4-10, immersion bath without ultrasound: 15-30 min. In immersion bath, support by light brushing may be required for heavily soiled areas that are difficult to access.
- After cleaning, rinse parts under running water.

### Safety Recommendations

**EC 10** is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (skin irritation, serious eye damage, corrosive to metals [aluminium and light metals]).

Observe also with respect to this the advices indicated in the safety data sheet and always handle chemicals with care. Please report any serious incident!

### Physical-chemical characterisation

- Density: 1.05 g/ml • pH (concentrate): 12 - 12.5.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents: <5 % non-ionic surfactants, <5 % phosphates.

### 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: use acetic acid or citric acid for neutralisation in the ultrasonic bath but not hydrochloric or sulphuric acid.

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

### Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle [REF 5804100000](#), 5 l HDPE-can [REF 5804200000](#), 10 l HDPE-can [REF 5804300000](#) and 25 l HDPE-can [REF 5804400000](#).
- Store in closed original container at a temperature between +5 °C and +30 °C, protected from heat and direct solar radiation. Do not store together with acids.
- Shelf life: 4 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 1824.

### 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](#).

### General information and exclusion

- This cleaning agent is not intended for cleaning or hydrating contact lenses.
- Only instruments and other medical devices that are approved for ultrasonic, immersion or spray cleaning as well as reusable and authorized for reprocessing, are permitted to be cleaned with this cleaning agent (see information of the medical device manufacturer according to EN ISO 17664).
- When using an ultrasonic device or spray cleaning machine, the instructions of the ultrasonic or spray cleaning device manufacturer must be observed. The safety instructions for the cleaning devices used must also be observed and are not part of this product information.
- The user is responsible to validate the cleaning result. Check instruments for cleanliness and function!
- Use water with drinking quality or quality according to the RKI (Robert-Koch-Institut) recommendation for rinsing.
- After cleaning, disinfection, sterilization or final disinfection must take place depending on the type and classification of the medical device.
  
- Please report any serious incidents related to the product to:
  - Elma Schmidbauer GmbH · info@elma-ultrasonic.com · Tel. +49 7731 882-0
  - or to the competent authority in your country.