

EC 60



Description

EC 60 is a liquid acidic cleaning concentrate for ultrasonic and immersion cleaning. Suitable for acidic thorough cleaning of medical instruments, implants, prostheses, workpieces made of stainless-steel, metal, ceramic, glass and plastics. Also suitable for removing of acid-soluble cements. Especially deposits from unaccessible edges and joints are removed using ultrasound. Also suitable for laboratory equipment.

If rust is noticed on instruments, please separate these instruments from all other instruments and clean immediately. This avoids contamination of other instruments. Grey or brown deposits of disinfectants, rusty spots as well as dark or brown spots of blood residues on instruments after autoclaving are removed by **EC 60**. We recommend to clean medical instruments generally every 6 months using **EC 60**.

Removes metal oxides and mineral deposits like lime, rust, tarnished spots and other deposits, mineral oils and fats/greases.

Not suitable for light metals. Risk of tarnishing when used for different metals in the same bath.

Application and Dosage

- Ultrasonic bath: Dosage: 1 – 10 vol.-%, preferably 5 vol.-%, i.e. for 1 liter of 5 vol.-% solution mix 50 ml **EC 60** + 950 ml tap water.
- Immersion bath: Dosage: >3 vol.-%, preferably 20 vol.-% with tap water.
- Use at temperature: 40-70 °C • Cleaning time: 1-5 min.
- After cleaning rinse with plenty of water and dry.

Safety Recommendations

EC 60 is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (skin corrosive and serious eye damage, corrosive to metals [aluminium and light metals]).

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

Please report any serious incident!

Physical-chemical characterisation

- Density: 1.45 g/ml • pH (concentrate): <1.0 • pH (1%-solution): 1.6.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents: <5 % non-ionic surfactants, >30 % phosphates (phosphoric acid).

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 lime or soda lye for neutralisation.

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

Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle [REF 5809900000](#), 5 l HDPE-can [REF 5810000000](#), 10 l HDPE-can [REF 8000470](#) and 25 l HDPE-can [REF 5810010000](#).
- Store in closed original container at a temperature between -5 °C and +30 °C, protected from heat and direct solar radiation. Store in a dry place. Do not store with alkalies. Provide acid-resistant floor.
- Shelf life: 4 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 1805.

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.