Product Information/Directions for use

elma lab clean N10 (ELC N10)

Description

elma lab clean N10 (ELC N10) is a liquid, neutral, foam-inhibited cleaning concentrate for ultrasonic, immersion and splash cleaning of sensitive parts and medical devices such as medical and laboratory instruments, implants etc. made of metal (incl. aluminium and light metal alloys), glass, ceramic and plastic.

Removes gentle emulsions, marking and label residues, lime soap deposits (prevents from its redeposition), aqueous cooling emulsions from mechanical treatments, light greases and oils, fingerprints and dust.

Check magnesium alloys before application.

Application and Dosage

- Ultrasonic bath: Dosage: ~2 % by volume in tap or deionised water, i.e. for 1 liter of 2 vol.-% solution mix 20 ml **elma lab clean N10 (ELC N10)** with 980 ml water • Temperature: 30-75 °C.
- Splash cleaning: Dosage: ~1 % by volume in tap or deionised water • Temperature > 55 °C.
- Immersion bath: Dosage: ~4 % by volume in tap or deionised water. Support by light brushing may be required for heavily soiled areas that are difficult to access.
- Milkiness of heated cleaning solution does not reduce the cleaning performance.
- Rinse the parts after cleaning thoroughly with water and dry.
- Rinse rust-sensitive surfaces with corrosion protection additive elma-KS, ~0,1 vol.-%, blow off or dry immediately.

Safety Recommendations

elma lab clean N10 (ELC N10) is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (eye irritation).

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: 1.059 g/ml • pH (concentrate): ~7.1.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
  5-15 % anionic surfactants, 5-15 % non-ionic surfactants, <5 % phosphates, <5 % polycarboxylates.

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 30, „detergents other than those mentioned in 20 01 29“.

Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle REF 8000075, 2.5 l HDPE-can REF 8000076, 10 l HDPE-can REF 8000077 and 25 l HDPE-can REF 8000078.
- Store in closed original container at a temperature between +5 °C and +30 °C,protected from heat and direct solar radiation. After eventual storage below 5 °C a) shake thoroughly or b) leave the bottles or cans for 24h at room temperature before application.
  During storage a precipitate consisting of iron hydroxide and iron oxide hydrate in few ppm-quantities may occur in **elma lab clean N10 (ELC N10)**. As a rule, this precipitate has no impact on the application properties of the product.
- 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.

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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.

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