

elma lab clean S10 (ELC S10)

Description

elma lab clean S10 (ELC 10) is a liquid, mildly acid, foam-inhibited cleaning concentrate for the dip and splash cleaning. It is suitable for labware and instruments made of metal (incl. aluminium and its alloys), glass, ceramic and plastic.

Removes gentle deposits of lime scales and lime soaps and prevents from their redeposition; aqueous cooling emulsions from mechanical treatments, light mineral greases and oils, fingerprints and dust. (Remove animal and vegetable oils and fats using alkaline cleaner before.)

Check magnesium alloys and acid-sensitive glassy materials before application.

Application and Dosage

- Ultrasonic bath: Dosage: ~1 vol-% • Temperature: 50-75 °C.
- Splash cleaning: Dosage: ~0.5 vol-% • Temperature: well above 55 °C only.
- In both cases tap or deionised water can be used preparing the cleaning solution.
- Milkyness of cleaning solution by heating does not reduce the cleaning performance.
- Rinse the parts after cleaning with water and dry.
- Surfaces sensitive against rusting should be rinsed using the corrosion protection additive elma-KS, ~0.1 vol-%, and blown off or dried immediately.

Safety Recommendations

elma lab clean S10 (ELC 10) is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (skin irritation, serious eye damage, respiratory irritant 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: ~1.05 g/ml • pH (concentrate): ~2.5 • pH (1 % solution): 4.5.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents: 15-30 % 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 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](#) 8000095, 2.5 l HDPE-can [REF](#) 8000096, 10 l HDPE-can [REF](#) 8000097 and 25 l HDPE-can [REF](#) 8000098.
- 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 alkalies and oxidizing agents.
- 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.