

## elma lab clean A10 (ELC A10)

### Description

**elma lab clean A10 (ELC A10)** is a mildly alkaline, foam-inhibited cleaning concentrate for the dip & splash cleaning of instruments in labs and workshops. Suitable for labware and instruments from metal, glass, ceramic and plastic materials, glassware.

Removes gentle markings, labels lime soap deposits (prevents from its redeposition), greases and oils (incl. greases for ground-glass joints and weakly resinified greases), fingerprints and dust.

Check aluminium, magnesium and generally alloys of light-metals 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 and dry.

### Safety Recommendations

**elma lab clean A10 (ELC A10)** 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 hints indicated in the safety data sheet and always handle chemicals with care.

### Physical-chemical characterisation

- Density: ~1.08 g/ml • pH (concentrate): ~11.4.
- Ingredients according to Annex VII A, Regulation (EC) No 648/2004 on detergents:  
5-15 % amphoteric 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 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. Neutralisation: acetic or citric acid in an ultrasonic bath – do not use hydrochloric or sulphuric acid there.

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

### Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle REF 8000180, 2.5 l HDPE-can REF 8000181, 10 l HDPE-can REF 8000182 and 25 l HDPE-can REF 8000183.
- Store in closed original container at a temperature between +5 °C and +30 °C, protected from heat and direct solar radiation.
- After subcooling shake before use.
- Shelf life: 3 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 1814.

### 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.