

## elma lab clean A20sf (ELC A20sf)

### Description

**elma lab clean A20sf (ELC A20sf)** is a liquid, surfactant-free cleaning concentrate with ammonia suitable for the aqueous cleaning of labware, especially for calibrated glassware (pipettes, burettes, measuring cylinders and other volumetric graduated vessels). Also suitable for other instruments of volumetric analysis, made from stainless steel, glass, ceramics and plastic materials.

Not suitable for aluminium, magnesium and alloys of light metals!

Attention: tarnishing may happen with different metals in the cleaning bath!

The product as a mixture of components is a saturated solution. Therefore, dependent on temperature and residence time of the can, a sediment can be formed at its bottom. This is water-soluble and its solution can be added to the prepared cleaning solutions.

### Application and Dosage

- Ultrasonic bath: Dosage: 1 vol-% • Temperature: 50-70 °C.
- Splash cleaning: Dosage: ~0.5 vol-% • Temperature: 50-70 °C.
- Soaking bathes without ultrasonics: >2 vol-%.
- In all cases tap or deionised water can be used preparing the cleaning solution.
- Rinse the cleaned surfaces thoroughly with deionized water and dry.

### Safety Recommendations

**elma lab clean A20sf (ELC A20sf)** is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (skin irritation, eye irritation).

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

### Physical-chemical characterisation

- Density: ~1.12 g/ml • pH (concentrate): 10.5 - 11.
- Ingredients according to Annex VII A, Regulation (EC) No 648/2004 on detergents:  
5-15 % phosphates, 5-15 % polycarboxylates.

### Disposal

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 for neutralisation in ultrasonic bathes: Use acetic acid or citric acid there – do not use hydrochloric or sulphuric acid there!

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 8000055, 2.5 l HDPE-can REF 8000056, 10 l HDPE-can REF 8000057 and 25 l HDPE-can REF 8000058.
- Store in closed original container only at cool place, at a temperature between +5 °C and +30 °C, protected from heat and direct solar radiation. Do not store together with alkalis. Keep container tightly closed.
- Shelf life: 5 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.