

elma lab clean A20sf (ELC A20sf)

**LIQUID, SURFACTANT-FREE CLEANING CONCENTRATE WITH
AMMONIA FOR THE CLEANING OF VOLUMETRIC LAB-WARE**

Description

Suitable for the aqueous, surfactant-free cleaning of lab-glassware, 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: 1 vol%, splash cleaning: ~0.5 vol%. Between 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/ccm, pH (concentrate): 10.5 – 11 .

Ingredients according to Annex VII A, EC-Regulation 648/2004 (detergents): 5-15% phosphates, 5-15% polycarboxylates.

Disposal

The cleaning bath can be fed into the public sewage system after neutralisation; observe the local pH limit value and make sure that the contamination contained after cleaning complies with 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 litre PE-bottle; 2.5 litre, 10 litre and 25 litre HDPE-can.

Store in closed original container only, at temperatures above +5°C but at cool place, 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 stamp on label).

Classification for all means of transport: no hazardous material.



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