

# ***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!

## **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.

## **Hotline for application consulting**

Working days: Tel. ++49 (0) 7731 882-287. Email: [chemlab@elma-ultrasonic.com](mailto:chemlab@elma-ultrasonic.com)

## **Safety recommendations**

The concentrate is not classified as dangerous in accordance with EC directives / German regulations on dangerous substances. Observe the hints indicated in the Safety Data Sheet. Always handle chemicals with care.

## **Physical-chemical Characterisation**

Density: ~1.12 g/ccm, pH (concentrate): 11.5 – 12 .

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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