

# ***elma lab clean S20 (ELC S20)***

**LIQUID, ACID AND FOAM-INHIBITED CONCENTRATE FOR THE  
DIP- & SPLASH CLEANING OF INSTRUMENTS IN LAB'S & WORKSHOPS**

## **Description**

Suitable for the acidic fundamental cleaning of dental and medical instruments, labware and workpieces made from stainless steel, glass, ceramics and plastic materials.

Not suitable for aluminium, magnesium and alloys of light metals. Check acid-sensitive glassy materials before use.

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

Fundamental cleaning of medical instruments is recommended periodically, e.g. half-yearly. For this end separate instruments being eventually rusty and clean them with *ELC S20*. Dark tarnishes from disinfecting/cleaning agents after sterilization and dark traces from blood after sterilization are removed.

Removes mineral contaminations like lime scales, lime soaps and other Ca- and Mg-bound contaminations (good for decalcination), metal oxides (rust) and flux-residues after soldering; mineral oils & greases (remove animal & vegetable oils & fats using alkaline cleaner before), fingerprints, dust.

Brightens metallic surfaces tarnished (but not temper colours).

## **Application and dosage**

Ultrasonic bath: ~1-2 vol% at 50-80°C. Splash cleaning: ~0.5 vol%, well above 55°C only.

Without ultrasonics >2 vol%, for wiping applications >50 vol% or the concentrate.

In all 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 cleaned surfaces thoroughly with water and dry. Rinse rust-sensitive surfaces with corrosion protection additive *elma-KS*, ~0.1 vol%, blow off or dry immediately.

## **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 classified as Corrosive (C, R34) according to the German regulations on dangerous substances / EC directives. Observe the hints indicated in the Safety Data Sheet. Always handle chemicals with care.

## **Physical-chemical Characterisation**

Density: 1.32 g/ccm, pH (concentrate): < 1.

Ingredients according to Annex VII A, EC-Regulation 648/2004 (detergents): 15-30% non-ionic surfactants, >30% phosphoric acid.

## **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 cleaning bath can be fed into the public sewage system after neutralisation; observe the local pH limit values and make sure that the contamination complies with the local sewage regulations. Recommendation: lime or soda lye for neutralisation.

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

## **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 at dry place, at temperatures between -5°C and 30°C, protected from heat and direct solar radiation. Do not store with alkalies. Provide acid-resistant floor.

Shelf life: 5 years from date of production (see stamp on label).

Classification for all means of transport: class 8, UN 1805.

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