

A25



Description

A25 is a liquid, strongly alkaline, foam-inhibited cleaning concentrate for ultrasonic, immersion and splash cleaning of alkali-resistant parts and medical devices such as medical and laboratory instruments, implants etc. made of metal (including titanium), glass, ceramic and plastic.

A25 removes markings, labels, greases from ground-glass joints, resinified & tarry residues, lime soap deposits (and prevents from its redeposition), blood, saliva, protein-, bone- & tissue-residues, fats/greases, oils, polishing & grinding residues, fingerprints & dust. For strong/thick tarry residues the alkalinity of the cleaning solution may be amplified by the addition of potassium hydroxide or sodium hydroxide or use the ultrasonic cleaner A26. Not suitable for aluminium, magnesium, alloys of light metals and alkali-sensitive glass. Risk of tarnishing (dark discoloration) when used for nonferrous heavy metals (copper, brass and other copper alloys). The compatibility of the parts to be cleaned with **A25** must be checked before use.

Application and Dosage

- Ultrasonic bath: Dosage: 1-2 % by volume in tap or deionised water, i.e. for 1 liter of 1 vol.-% solution mix 10 ml **A25** with 990 ml water • Temperature: 50-75 °C
 - Removal of fresh blood, saliva or protein residues below 42 °C.
- Splash cleaning: Dosage: 0,5 – 1 % by volume in tap or deionised water • Temperature > 55 °C.
- Immersion bath: Dosage: ~4 % by volume in tap or deionised water. • Support by light brushing may be required for heavily soiled areas that are difficult to access.
- Milkiness of heated cleaning solution does not reduce the cleaning performance.
- Rinse the parts after cleaning and then dry.

Safety Recommendations

A25 is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (skin corrosive and 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. Please report any serious incident!

Physical-chemical characterisation

- Density: ~1.14 g/ml • pH (1 % aqueous solution): 12 - 12.5.
- 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 8000783](#), 5 l HDPE-can [REF 8000785](#), 25 l HDPE-can [REF 8000786](#) und 200 l barrel [REF 8000787](#).
- Store in closed original container at a temperature between +5 °C and +30 °C, protected from heat and direct solar radiation. Do not store with acids.
- 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](#).

General information and exclusion

- This cleaning agent is not intended for cleaning or hydrating contact lenses.
- Only instruments and other medical devices that are approved for ultrasonic, immersion or spray cleaning as well as reusable and authorized for reprocessing, are permitted to be cleaned with this cleaning agent (see information of the medical device manufacturer according to EN ISO 17664).
- When using an ultrasonic device or spray cleaning machine, the instructions of the ultrasonic or spray cleaning device manufacturer must be observed. The safety instructions for the cleaning devices used must also be observed and are not part of this product information.
- The user is responsible to validate the cleaning result. Check instruments for cleanliness and function!
- Use water with drinking quality or quality according to the RKI (Robert-Koch-Institut) recommendation for rinsing.
- After cleaning, disinfection, sterilization or final disinfection must take place depending on the type and classification of the medical device.

- Please report any serious incidents related to the product to:
 - Elma Schmidbauer GmbH · info@elma-ultrasonic.com · Tel. +49 7731 882-0
 - or to the competent authority in your country.