elma product info

elma lab clean A25 (ELC A25)

STRONGLY ALKALINE FOAM-INHIBITED CLEANING CONCENTRATE FOR DIP & SPLASH CLEANING OF INSTRUMENTS IN LAB'S & WORKSHOPS

Description

Suitable for labware and medical instruments from metal, glass, ceramic and plastic materials. Not for aluminium, magnesium, alloys of light-metals and alkali-sensitive glassware.

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 and oils, polishing & grinding residues; fingerprints and dust. For strong/thick tarry residues the alkalinity of the cleaning solution may be amplified by the addition of potassium hydroxide or sodium hydroxide.

Application and dosage

Ultrasonic bath: 1 - 2 vol% in water, at 50 - 75°C. Splash cleaning: 0.5 - 1 vol%, well above 55°C only. Tap or deionised water can be used preparing the cleaning solution.
Removal of *still fresh* blood, saliva or protein residues below 42°C recommended. Milkyness of heated cleaning solution does not reduce the cleaning performance. Rinse the parts after the cleaning and then dry.

Safety recommendations

elma lab clean A25 (ELC 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.

Physical-chemical Characterisation

Density: ~1,14 g/ccm, pH (1 % aqueous solution): 12. Ingredients according to Annex VII A, EC-Regulation 648/2004 (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 cleaning bath can be fed into the public sewage system after neutralisation; observe the local pH limit values and make sure that the contamination contained 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 litre PE-bottle; 2.5 litre, 10 litre and 25 litre HDPE-can.
Store in closed original container at a temperature between +5°C and +30°C, protected from heat and direct solar radiation. After subcooling shake before use. Do not store with acids.
Shelf life: 3 years from date of production (see stamp on label).
Classification for all means of transport: class 8, UN 1814.

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