

elma tec clean A3

**LIQUID, ALKALINE ULTRASONIC CLEANING CONCENTRATE
FOR THE CLEANING OF METAL PIECES
AFTER MECHANICAL PROCESSING**

Description

Cleans surfaces made of stainless steel, steel and other iron-metals, titanium and precious metals after mechanical treatment (turning, milling, lapping, polishing, grinding, drawing and punching).

Removes residues of lapping, polishing and grinding media and of punching oil and drawing grease as well as of high-performance cooling lubricants.

Not applicable for aluminium, magnesium and most of their alloys.

Application and dosage

Dosage: 3 - 8 % in water, temperature: 50 - 80°C, duration: 3 - 5 min. with ultrasonic.

For corrosion-sensitive pieces add as corrosion inhibitor *elma-KS*, 0.1% to the cleaning and rinsing bathes and/or blow off quickly after rinsing.

Safety recommendations

elma tec clean A3 is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (skin irritation, serious eye damage). Observe also with respect to this the hints indicated in the Safety Data Sheet and always handle chemicals with care.

Physical-chemical characterisation

Density: 1.122 g/ccm, pH (concentrate): ~13.1.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): 5-15% anionic surfactants, <5% non-ionic surfactants, <5% amine-soaps, <5% phosphates.

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.

For neutralisation we recommend: use acetic or citric acid in an ultrasonic bath – do not use hydrochloric or sulfuric acid.

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

Volumes and storage

Available volumes: 2.5 litre, 10 litre and 25 litre HDPE-can.

Store in closed original container at a temperature between -5 and +30°C, protected from heat and direct solar radiation. Do not store with acids.

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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