elma clean 210 (EC 210)

LIQIUD, SLIGHTLY ALKALILNE ULTRASONIC CLEANING CONCENTRATE FOR METAL AND PLASTIC SURFACES

Description

elma clean 210 (EC 210) is suitable for surfaces made of steel, nonferrous heavy metals, precious metals, light metals, nickel, chrome, zinc and German silver (also combinations of different materials); it is also suitable for plastics that are resistant against stress cracking.

Check any Mg, MgZnAl alloys ("electron") and plastics for compatibility before application.

elma clean 210 (EC 210) removes aqueous cooling lubricants, grease and oil, abrasive, grinding and polishing pastes.

For the cleaning of polishing media containing animal greases check the suitability of the cleaner before application.

Application and dosage

Dosage: 3 - 5 mass% in water, temperature: 50 - 75 °C, duration: 3 - 5 min with ultrasonic.

A milky cloudiness of the cleaning fluid does not impede the cleaning effect.

Corrosion-sensitive pieces (e.g. grey cast iron) are corrosion-proof if unrinsed. For further temporary corrosion protection (e.g. in case the pieces have to be rinsed in DI water) add "*elma KS*" to the cleaning bath.

Safety recommendations

elma clean 210 (EC 210) is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (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: 1.032 g/ccm, pH (concentrate): ~9.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): 5-15% anionic surfactants, 15-30% non-ionic surfactants, perfumes. Does not contain phosphates or silicates. Emulsifying.

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: for 1 kg of the concentrate use approx. 200 ml 60% acetic acid or approx. 190g water-free citric acid in an ultrasonic bath – do not use hydrochloric or sulphuric acid! European waste code: 20 01 29*, "detergents containing dangerous substances".

Volumes, storage and transport

Available volumes: 10 litre can, 25 kg can, 200 kg barrel. 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. Shelf life: 3 years from date of production (see stamp on label).

Classification for all means of transport: no hazardous material.



elma product info

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