

elma clean 215 (EC 215)

**LIQUID, ACID ULTRASONIC CLEANING CONCENTRATE
FOR INDUSTRY, LABORATORY AND WORKSHOP**

Description

Suitable for stainless steel, precious metals, glass, ceramics and selected plastics. Check plastics and other metals for resistance against corrosion and tarnish before use.

Removes polishing media, lapping paste, mineral grease & oil, rust and lime. It derusts iron metal surfaces; also good for derusting, pickling and decalcifying.

Limited suitable for the erosive cleaning of light metals and their alloys. For example, for the removal of ECM-residues. Please check components before use.

Application and dosage

Dosage: 1 - 5 % in water, temperature 40 -70°C, duration 2 – 5 min with ultrasonics; without ultrasonics >3% with tap water. After use rinse thoroughly & dry immediately. In case of rusting materials use a rinsing bath water with 0.1% of *elma-KS* immediately after cleaning. *For pickling*: Dosage 1 – 5%, 5 – 10 min, with ultrasonics.

Safety recommendations

elma clean 215 (EC 215) 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: 1.45 g/ccm, pH (concentrate): <1.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): <5% 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 contained complies with the local sewage regulations.

Neutralisation: for 1 liter concentrate use ~ 900 ml 50% lye of sodium hydroxide.

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

Volumes, storage and transport

Available volumes: 1 litre bottle, 10 litre and 25 litre HDPE-can; 200 litre barrel.

Do not store with alkalis. Provide acid-resistant floor. Store in closed original container at a temperature between -5 and +30°C, protected from heat and direct solar radiation. Store in a dry place.

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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