

elma clean 215 (EC 215)

Description

elma clean 215 (EC 215) is a liquid, acid ultrasonic cleaning concentrate for industry, laboratory and workshop. Suitable for stainless steel, precious metals, glass, ceramics and selected plastics.

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

Check plastics and other metals for resistance against corrosion and tarnish before use. 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

- Ultrasonic bath: Dosage: 1 - 5 % in water • Temperature: 40-70 °C • Cleaning time: 2-5 min.
- Immersion bath: Dosage: >3 % with tap water.
- After use rinse thoroughly and 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 % for 5-10 min. with ultrasound.

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/ml • pH (concentrate): <1.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
<5 % non-ionic surfactants, >30 % phosphates (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 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: 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 l bottle [REF 5815400000](#), 5 l HDPE-can [REF 5814600000](#), 10 l HDPE-can [REF 8000305](#), 25 l HDPE-can [REF 5812200000](#) and 200 l barrel [REF 5808800000](#).
- Store in closed original container at a temperature between -5 °C and +30 °C, protected from heat and direct solar radiation. Store in a dry place. Do not store with alkalis. Provide acid-resistant floor.
- Shelf life: 4 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 1805.

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](#).