

elma clean 112 (EC 112)

Description

elma clean 112 (EC 112) is an alkaline, tenside-free cleaning component. Suitable as basic sodium-free builder component for the (ultrasonic) immersion cleaning of numerous metal surfaces (steel, nonferrous heavy metals, etc.), numerous surfaces of plastic materials, rubber surfaces.

The use of this basic component ensures in applications together with surfactant boosters the removal of lapping and polishing pastes as well as scaled and gummy oil and grease, wax (when used at correct temperature), residual lacquer and paint.

Not suitable for aluminium. Check magnesium, its alloys and plastics for compatibility before use.

Application and Dosage

- To be applied together with cleaning boosters (containing surfactants) such as elma clean 212 (EC 212).
- Ultrasonic bath: Dosage: 3 - 5 % in water, with 0.3 - 0.5 % additional cleaning booster
 - Temperature: 40-90 °C • Cleaning time: 3-10 min.
- Thoroughly rinse pieces with water and dry.
- Suitable for cleaning and maintenance of the cleaning bath by membrane filtering.

Safety Recommendations

elma clean 112 (EC 112) is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (akut toxisch (oral) der Kategorie 4, skin corrosive and serious eye damage, corrosive to metals [aluminium]).

Observe also with respect to this the hints indicated in the safety data sheet and always handle chemicals with care.

Physical-chemical characterisation

- Density: 1.362 g/ml • pH (concentrate): 14 • pH (2 % solution): 12.6.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
 - 5-15 % phosphates.
- Does not contain silicates and surfactants.

Disposal

The organic components are biodegradable according to the OECD test 302B.

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

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

Volumes, Storage and Transport

- Available volumes: 10 l can [REF 8000301](#), 30 kg can [REF 5821900000](#) and 270 kg barrel [REF 5822100000](#).
- 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 lot on label).
- Classification for all means of transport: class 8, UN 1814.

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](#).