

elma clean 124 (EC 124)

Description

elma clean 124 (EC 124) is a liquid, alkaline cleaning concentrate suitable for metal surfaces (steel, coloured metals, etc.) as well as for selected plastics and rubber surfaces.

elma clean 124 (EC 124) removes lapping and polishing pastes as well as scale after heat treatments, scaled and resinified oil and grease, wax (when used at corresponding temperature) and residuals of lacquer and paint. It also removes metal oxide layers after coating from stainless steel and alkali-proof glass surfaces.

Not suitable for aluminium and its alloys; check plastics and magnesium for compatibility before use.

Application and Dosage

- Ultrasonic bath: Dosage: 4 - 6 % • Temperature: 50-90 °C • Cleaning time: 3-10 min.
- Thoroughly rinse pieces with water and dry.
- Suitable for recycling of the cleaning bath with oil separator and/or membrane filtration.

Safety Recommendations

elma clean 124 (EC 124) is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (acutely toxic (oral) - category 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: 1.30 g/ml • pH (concentrate): 14 • pH (1 % solution): 12.5.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
<5 % amphoteric surfactants, 5-15 % non-ionic surfactants, 5-15 % phosphates.
- Does not contain silicates.

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. Recommendation for neutralisation: For 100 l of a solution with 1 % **elma clean 124 (EC 124)** use either about 340 ml acetic acid (60 %) or about 350 g water-free citric acid. If neutralised in an ultrasonic bath – do not use hydrochloric or sulphuric acid there!

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

Volumes, Storage and Transport

- Available volumes: 5 l HDPE-can [REF](#) 5808200000, 10 l HDPE-can [REF](#) 5808300000 and 25 l HDPE-can [REF](#) 5808400000.
- 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.