

elma clean 120 (EC 120)

Description

elma clean 120 (EC 120) is an alkaline ultrasonic cleaner (powder) for metals, light metal alloys, rubber and plastic as well as for surfaces of gray cast iron, zinc die casting and light metal alloys.

Removes scaled or resinous oils and greases, wax, residual lacquer and paint.

Check magnesium alloys and coatings for compatibility before use. Not suitable for plastics that are not alkali-proof or that are susceptible for stress cracking.

Application and Dosage

- Ultrasonic bath: Dosage: 3 - 5 % by weight • Temperature: 50-80 °C • Cleaning time: 3-10 min.
- Warm up water in the tank to at least 50 °C, start the ultrasonic, add powder slowly while constantly stirring.
- After cleaning rinse the surfaces thoroughly.

Safety Recommendations

elma clean 120 (EC 120) is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (acutely toxic (inhalation) - category 4, skin corrosive and serious eye damage, respiratory irritant effect).

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

Physical-chemical characterisation

- Bulk density: 0.92 g/ml • pH (1 % solution): ~12.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
5-15 % anionic surfactants, <5 % non-ionic surfactants, >30 % phosphates.

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. For neutralisation we recommend: for 0.5 kg **elma clean 120 (EC 120)** add step by step approx. 230 g water-free citric acid to the 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 volume: 0.85 kg pot  5804600000 or 25 kg UN-approved cardboard drum  5808100000.
- Store in closed original container at a temperature between -5 °C and +30 °C, keep container dry and tightly closed. Do not store with acids.
- Shelf life: 5 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 3253.

Accessories

- Dosing cup: 250 ml vol./5 ml-scale  8000643 • 1000 ml vol./10 ml-scale  8000647.