

elma clean 212 (EC 212)

Description

elma clean 212 (EC 212) is a liquid, demulsifying, recyclable cleaning booster for the alkaline immersion cleaning in an ultrasonic bath. Excellent as additive to basic cleaner components for the cleaning of metal surfaces, numerous plastic surfaces, rubber and elastomer surfaces.

As additive to the alkaline basic component, **elma clean 212 (EC 212)** perfectly removes lapping and polishing pastes as well as scaled and gummed oil and grease, wax (at the required temperature), residual lacquer and paint.

Check any plastics for stress cracking resistance before use.

Application and Dosage

To be used with an alkaline tenside-free basic component, such as elma clean 112 (EC 112).

- Ultrasonic bath: Dosage: 0.3 - 0.5 % in water, add alkaline basic component at 3 - 5 %
 - Temperature: 40-90 °C • Cleaning time: 3-10 min.
- Carefully rinse with water and dry.
- Demulsifying. Suitable for recycling of the cleaning bath with membrane filtration.

Safety Recommendations

elma clean 212 (EC 212) is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (acutely toxic (oral) - category 4, serious eye damage, hazardous to the aquatic environment - chronic category 3).

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

Physical-chemical characterisation

- Density: 1.024-1.036 g/ml • pH (2 % solution): 9 - 10.5.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
 - >30 % non-ionic surfactants.

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.

Cleaning baths containing this cleaning booster must not be fed into the public sewage system even after neutralization; they must be specially treated and disposed of according to the local sewage regulations.

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

Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle [REF](#) 5817400000, 2.5 l HDPE-can [REF](#) 8000445, 5 l HDPE-can [REF](#) 5822000000, 10 l HDPE-can [REF](#) 5822500000, 25 l HDPE-can [REF](#) 5822700000 and 200 kg barrel [REF](#) 5822900000.
- Store in closed original container at a temperature between -5 °C and +30 °C, protected from heat and direct solar radiation; keep container dry and store at cool place.
- Shelf life: 3 years from date of production (see lot on label).
- Classification for all means of transport: no hazardous material.

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.