

elma clean 300 (EC 300)

Description

elma clean 300 (EC 300) is a liquid, alkaline cleaning concentrate for the cleaning of glass (optical, spectacles) and ceramics. Suitable for the cleaning before coating of organic and alkali-proof inorganic glasses as well as for the final cleaning of moulds and other high-precision optical glasses. Also for lead glass, quartz, porcelain, plastics and ceramics and pieces set in metal frames (steel, iron metals, titanium).

For the removal of dust and fingerprints, traces of oil, grease and silicone oil.

Check light metal alloys (Al, Mg) and zinc alloys for compatibility before use.

Application and Dosage

- Ultrasonic bath: Dosage 0.5 - 5 % in water • Temperature 40-70 °C • Cleaning time: 2-10 min.
- Splash cleaning: Temperature: 50-70 °C • a) Dosage: 0.1 - 0.5 % in water • b) Dosage: > 0.5 % only if used with foaming inhibitor elma nonfoam 1 at 1/10 of the **elma clean 300 (EC 300)** concentration.

Safety Recommendations

elma clean 300 (EC 300) 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: 1.42 g/ml • pH (concentrate): ~13.5 • pH (1 % solution): 11.8.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:
<5 % anionic surfactants, <5 % non-ionic surfactants, 15-30 % phosphates, <5% phosphonates.
- 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. For neutralization we recommend: for 1 kg of the concentrate use approx. 130 ml 60 % acetic or approx. 130 g water-free citric acid in an ultrasonic bath – do not use hydrochloric or sulphuric acid in ultrasonic bathes!

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

Volumes, Storage and Transport

- Available volumes: 5 l HDPE-can [REF](#) 5801600000, 10 l HDPE-can [REF](#) 8000314, 35 kg HDPE-can [REF](#) 5811300000, 280kg barrel [REF](#) 5811350000 and 1300 kg IBC [REF](#) 8000212.
- Store in closed original container at a temperature between +5 °C and +25 °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 1719.

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.