

## elma noble clean

### Description

**elma noble clean** is an acidic cleaner for the immersion cleaning bath for deoxidizing and brightening jewellery made of gold, silver, platinum and their alloys. It brightens the jewellery within seconds. Available in an easy-to-handle 1 l wide-neck bottle or in larger volumes for refill; the bottle necks are wide enough to allow immersion of jewellery and cutlery.

The cyanide-free noble clean makes the highly toxic cyanide-containing jewellery cleaners superfluous. Applicable as ready-for-use immersion bath, for wiping and for ultrasonic cleaning. The temporary tarnish protection prevents from retarnishing for a long time.

Not suitable for soft stones, pearls or corals.

### Application and Dosage

- Immersion bath: Immerse the jewellery in undiluted product for approx. 10-15 sec, observe cleaning result, if sufficiently brightened rinse with cold water and wipe with a dry cloth.
- Wiping: Apply a few drops on a cloth and wipe precious metal surfaces, such as candlesticks, lamps or bowls. Then rinse with cold water and wipe with a dry cloth.
- Ultrasonic bath: Dilute **elma noble clean** concentrate with water at a ratio of 1:1. Put the jewellery in the ultrasonic bath for approx. 30-45 sec, observe cleaning result and if sufficiently brightened rinse with cold water and wipe with a dry cloth.

### Safety Recommendations

**elma noble clean** is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (category 2 reproductive toxicant, category 2 carcinogen: susceptible de provoquer le cancer, skin sensitiser, eye irritation, corrosive to metals, 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: 1,022 g/ml • pH in delivery state: 1.2.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:  
<5 % nonionic surfactants, <5 % phosphates (phosphoric acid), perfumes.

### 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: use lye or lime for neutralisation.

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

### Volumes, Storage and Transport

- Available volumes: 1 l wide-neck bottle  5810040000, 2.5 l HDPE-can  8000420, 5 l HDPE-can  5810050000, 10 l HDPE-can  5810060000 and 25 l HDPE-can  5810070000.
- 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 alkalis. Provide acid-resistant floor.
- Shelf life: 4 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 1805.

### Accessories

- Tap (outlet tap): for 5 / 10 l cans  8000003927 • for 25 l can  8000003928.
- Dosing cup: 250 ml vol./5 ml-scale  8000643 • 1000 ml vol./10 ml-scale  8000647.