

# **elma tec clean N1**

**LIQUID NEUTRAL CLEANING CONCENTRATE**  
**For Gentle Ultrasonic Cleaning of Ensembles of**  
**Different Materials, Metals, Plastics, Ceramics and Jewellery**

## **Description**

Suitable for gentle ultrasonic cleaning of metallic plastic, glassy and ceramic surfaces and ensembles consisting of different materials.

Removes oils, greases grinding, lapping and polishing residues as well as dust and fingerprints.

Also for jewellery manufacture and restoration of worn jewellery. Cleans quickly precious metals and gems.

Free of alkalies and acids, without smell and biodegradable.

## **Application and Dosage**

With ultrasonic cleaning bath: Dosage 5% with 95% tap water, 1 – 5 min.  
Temperature: 50 °C – 80 °C; works also at room temperature, but slower.

Without ultrasonic cleaning bath: Dosage 10% with tap water, ~ 30 min.  
Temperature: 50 °C – 80 °C. Slow moving of pieces recommended.

## **Hotline for application consulting**

Working days: Tel. ++49 (0) 7731 882-287. Email: [chemlab@elma-ultrasonic.com](mailto:chemlab@elma-ultrasonic.com)

## **Safety recommendations**

The concentrate is not classified as hazardous according to Regulation (EC) No 1272/2008 [GHS]. Observe the hints indicated in the Safety Data Sheets. Always handle chemicals with care.

## **Physical-chemical characterisation**

Density: 1070 g/l, pH (concentrate): ~9. pH: 7 – 7.5 with concentration 1%.  
Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents):  
15-30% anionic surfactants, <5% non-ionic surfactants, 2-Bromo-2-nitropropane-1,3-diol ( ~35 ppm ).

## **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 cleaning bath can be fed into the sewage system after use; observe local pH limit values and make sure that the contamination contained complies with the local sewage regulations.

European waste code: 20 01 30, „detergents other than those mentioned in 20 01 29“.

## **Volumes, storage and transport**

Available volumes: 2.5, 10 and 25 litre can.

Store in closed original container at a temperature above +5 °C, protected from heat and direct solar radiation. Store at a cool place.

Shelf life: 5 years from date of production (see stamp on label).

Classification for all means of transport: no hazardous material.

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