

# ***elma ultra clean***

## **JEWELLERY CLEANER**

**CYANIDE-FREE, MILDLY ALKALINE CLEANING CONCENTRATE**

*works gentle and brightens slowly*

### **Description**

Cyanidefree mildly alkaline cleaning concentrate for the gentle cleaning and brightening of jewellery made from Gold or Platin/Iridium and stones in immersion baths with or without ultrasound.

Removes grease, sweat, polishing media, emulsions, finger prints and dust. The concentrate has a brightening effect on alloys with Gold.

Not suitable for corals, check pearls for compatibility before use. When cleaning soft stones (turquoise, lapis, amber, pearls) do not use ultrasound with frequency  $\leq 50$  kHz.

### **Application and dosage**

Dosage: 5 – 20 % when applied in an ultrasonic bath, keep temperature between 30°– 60°C, cleaning time 2 – 10 minutes when used in ultrasonic bath.

When applied without heat and ultrasound the cleaning time is longer and needs higher dosage. After cleaning, rinse thoroughly and dry.

### **Hotline for application consulting**

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

### **Safety recommendations**

*elma ultra clean* is classified as Irritant and Sensitising (Xi, R41-43) according to the German regulations on dangerous substances / EC directives. Observe the hints indicated in the Safety Data Sheet. Always handle chemicals with care.

### **Physical-chemical characterisation**

Density: 1075 g/l. pH (concentrate): 12. pH (5% solution): 10.3.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): <5% anionic surfactants, 5-15% non-ionic surfactants, perfumes, 2-Bromo-2-nitro-propane-1,3-diol ( ~9 ppm ). Does not contain silicates or 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 cleaning bath can be fed into the public sewage system after neutralisation; observe the local pH limit values and make sure that the contamination contained complies with the local sewage regulations. For neutralisation we recommend: use acetic or citric acid in an ultrasonic bath – do not use hydrochloric or sulphuric acid there.

European waste code: 07 06 04\*, "other organic solvents, washing liquids and mother liquors".

### **Volumes, storage and transport**

Available volumes: 1l and 10l.

Store in closed original container only protected from heat and direct solar radiation. Keep temperature between +5 and +30 °C. Do not store with oxidizing agents.

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

Classification for all means of transport: no hazardous material.

**Elma Hans Schmidbauer GmbH&Co KG**

Kolpingstr. 1-7, D-78224 Singen

e-mail: [info@elma-ultrasonic.com](mailto:info@elma-ultrasonic.com)

Tel.: ++49 (0) 7731 882-0

Fax: ++49 (0) 7731 882-266

[www.elma-ultrasonic.com](http://www.elma-ultrasonic.com)

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