

## ***elma super clean***

### CLEANING CONCENTRATE FOR JEWELLERY

*works gentle and brightens*

#### **Description**

*elma super clean* is an aqueous, mild cleaning concentrate with ammoniac for the gentle cleaning and brightening of jewellery in immersion baths with or without ultrasound. Suitable for gold and silver and jewellery with hard stones. There is a brightening effect on precious metals and alloys, respectively.

Soft stones (for example turquoise, lapis, amber) have to be checked before use of *elma super clean*. When cleaning soft stones do not use ultrasound with frequency <=50 kHz. Not suitable for corals!

Removes grease, sweat, emulsions, finger prints and dust.

#### **Application and dosage**

Dosage: 3 – 10 % when applied in an ultrasonic bath, cleaning time 3 – 5 minutes when used in ultrasonic bath at room-temperature.

Without ultrasound the cleaning time is longer with a required dosage up to 10 – 20 %. 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 super clean* 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: 990 – 1000 g/l, pH (concentrate): about 10.5 in state of delivery.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): <5% anionic surfactants, <5% non-ionic surfactants, perfumes. 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 sewage system after neutralisation; check the contamination contained in the used cleaning bath (observe local sewage regulations).

Recommendation: use acetic acid or citric acid for neutralisation in an ultrasonic bath – do not use hydrochloric or sulphuric acid!

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

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

Available volumes: 1l, 2.5l and 10l. Store in closed original container at a temperature between -5 °C and +30 °C, protected from heat and direct solar radiation.

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)

30.07.13/ P:\Produkte\PRODInfo\Produkte\englisch\word\_GB\P\_super clean\_GB.docx

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

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

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