

## ***elma clean 75 (EC 75)***

**LIQUID, AMMONIATED CLEANING CONCENTRATE**  
**FOR WORKSHOP AND LABORATORY AND FOR JEWELLERY CLEANING**  
*works intensive, fast and efficiently, and brightens quickly*

### **Description**

- Cleans and brightens precious metals, copper, brass and gems, gives new brilliance.
- Intensive cleaning. Reliably removes dirt, fat, grease, sweat, oxides, buffing compound, rouge, lapping residues, polishing paste, etc... .
- Lights up jewellery and non-ferrous metals due to ammonia.
- Economic: works at 5% dilution with ultrasonics.
- May also be used without ultrasonics.

Restrictions: Do not use for materials containing Aluminium or Zinc and not with soft gems like pearls, corals, lapis-lazuli, amber, opal etc.

Working principle: Biodegradable surfactants in aqueous solution remove oil, fat and grease. Oxidized layers on coloured metals and alloys of precious metals will be lightened up due to the complexing action of ammonia. Both processes are supported by ultrasonics.

### **Application and Dosage**

- 1) With Ultrasonic Cleaning Bath: Dosage: 5 % in water. Time: 5 – 10 min. Temperature: 20°C – 50°C; works also at room temperature, but slower.
- 2) Without Ultrasonic Cleaning Bath: Dosage: 10 – 15 % in water. Time: 15 min. Temperature: 20°C – 50°C. Agitate workpieces, moving of pieces recommended.

### **Safety recommendations**

*elma clean 75 (EC 75)* is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (skin irritation, serious eye damage, narcotic effect, hazardous to the aquatic environment). Observe also with respect to this the hints indicated in the Safety Data Sheet and always handle chemicals with care.

### **Physical-chemical characterisation**

Density: 0.99 – 1.00 g/ml, pH: 10.5 - 11.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): 5-15% anionic surfactants, 5-15% non-ionic surfactants, 5-15% ammoniumsoap.

### **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 (previous neutralisation may be necessary); 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.

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

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

Available volumes: 1 litre PE-bottle; 2.5 litre, 10 litre and 25 litre HDPE-can.

Store in closed original container at a temperature between +5°C and +35°C, protected from heat and direct solar radiation. Do not store together with acids or alkalies.

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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