

## elma tec clean A2

### Description

**elma tec clean A2** is a liquid, ammoniated cleaning concentrate for workshop, laboratory and for jewellery cleaning. Suitable for workpieces from ferrous metals, brass, copper, bronze and similar non-ferrous metals as well as for precious metals. Also suitable for glass materials.

Surfaces of precious and copper-containing metals are brightened. Removes oil, fat, grease, sweat, oxides, buffing compound, polishing, lapping and grinding residues.

Zinc, aluminum and alloys of light metals may be attacked. Not applicable for soft gems (pearls, corals, amber a.s.o.) and lapis lazuli, opal and similar stones.

### Application and Dosage

- Cleaning bath with ultrasound: Dosage: 5 - 10 % in water • Temperature: 20-50 °C.
- Cleaning bath without ultrasound: Dosage: 10 - 15 % in water • Temperature: 20-50 °C.
- Worn jewellery or jewellery from showcase clean at room temperature.
- After that rinse thoroughly and dry.
- Working in well-ventilated areas or in a fume hood (odour of ammonia).

### Safety Recommendations

**elma tec clean A2** 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 - 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: 0.99 - 1.00 g/ml • pH: 10.5 - 11.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:  
5-15 % anionic surfactants, 5-15 % non-ionic surfactants, 5-15 % ammonium soap.





### 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. For neutralisation we recommend: use acetic or citric acid in an ultrasonic bath – do not use hydrochloric acid or sulphuric acid there!

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

### Volumes, Storage and Transport

- Available volumes: 2.5 l HDPE-can  8000112, 10 l HDPE-can  8000111, 25 l HDPE-can  8000110 and 200 l barrel  8000113.
- Store in closed original container at a temperature between +5 °C and +35 °C, protected from heat and direct solar radiation. Store at a cool place. Do not store together with alkalies or strong acids.
- Shelf life: 5 years from date of production (see lot on label).
- Classification for all means of transport: no hazardous material.

### 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.