

# **elma tec clean A2**

**LIQUID, AMMONIATED CLEANING CONCENTRATE  
FOR WORKSHOP, LABORATORY AND FOR JEWELLERY CLEANING**

## **Description**

Cleaning concentrate with ammonia. 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.

Especially suitable for the cleaning of jewellery.

Removes oil, fat, grease, sweat, oxides, buffing compound, polishing, lapping and grinding residues.

Surfaces of precious and copper-containing metals are brightened.

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

## **Application and Dosage**

Dosage with ultrasonics 3 - 5 %, 5 min, 20 - 50°C; without 15% and 15 min. Waxed or jewellery from shoe case clean at room temperature. After that rinse thoroughly and dry.

## **Hotline for application consulting**

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

## **Safety recommendations**

The concentrate is classified as Irritant (Xi, R41) according to the German regulations on dangerous substances / EC directives. Observe the hints indicated in the Safety Data Sheets. Always handle chemicals with care.

## **Physical-chemical characterisation**

Density: 990 g/l, pH: ~10.5.

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

## **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 acid or sulphuric acid there !

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

## **Volumes, storage and transport**

Available volumes: 2.5, 10 and 25 litre can.

Store in closed original container and at a temperature between +5°C and +35 °C. Do not store together with acids or alkalis.

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-germany.com](mailto:info@elma-germany.com)

17.10.07/ \\Ehskol01\gb\_chemie\Produkte\PRODInfo\Produkte\englisch\word\IP\_tec clean A2\_GB.doc

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

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

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

