

# ***elma tec clean S2***

**LIQUID, ACID CLEANING CONCENTRATE  
FOR INDUSTRY, LABORATORY AND WORKSHOP**

## **Description**

Suitable for stainless steel, precious metals, glass, ceramics and selected plastics. Check plastics and other metals for resistance against corrosion and tarnish before use. Attacks the surface of light metals (Al, Mg and their alloys)!

Removes polishing media, lapping paste, mineral grease & oil, rust and lime. It derusts iron metal surfaces; also good for derusting, pickling and decalcifying.

## **Application and dosage**

Dosage: 1 - 5 %, temperature 40 -70°C, duration 2 – 5 min with ultrasonics; without ultrasonics >3% with tap water. After use rinse thoroughly & dry immediately. In case of rusting materials use a rinsing bath water with 0.1% of *elma-KS* immediately after cleaning. *For pickling*: Dosage 1 – 5%, 5 – 10 min, with ultrasonics.

## **Safety recommendations**

*elma tec clean S2* is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (skin corrosive and serious eye damage, corrosive to metals [aluminium and light metals]). Observe also with respect to this the hints indicated in the Safety Data Sheet and always handle chemicals with care.

## **Physical-chemical Characterisation**

Density: 1.45 g/ccm, pH (concentrate): <1.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): <5% non-ionic surfactants, >30% phosphoric acid.

## **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.

Neutralisation: for 1 liter concentrate use ~ 900 ml 50% lye of sodium hydroxide.

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

## **Volumes and storage**

Available volumes: 2.5 litre, 10 litre and 25 litre HDPE-can.

Do not store with alkalis. Provide acid-resistant floor. Store in closed original container at a temperature between -5°C and +30°C, protected from heat and direct solar radiation. Store in a dry place.

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

Classification for all means of transport: class 8, UN 1805.

## **Elma Schmidbauer GmbH**

Gottlieb-Daimler-Str. 17, D-78224 Singen

E-Mail: [info@elma-ultrasonic.com](mailto:info@elma-ultrasonic.com)

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Tel.: +49 7731 882-0

Fax: +49 7731 882-266

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

