

# Product information

## *Sonoswiss Cleaner T9 (SW-C T9)*

Liquid, Alkaline ultrasonic cleaning concentrate  
for metal, ceramic, plastics, silicium wafer and quartz-surfaces

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### **Description**

Suitable for the cleaning of:

Metal, ceramic and quartz surfaces, surfaces of numerous plastic materials, rubber surfaces. Particular for the cleaning of silicium wafers after mechanical treatment (sawing).

Removes metal oxides, stains of quartz and tenacious organic contaminations, such as:

- scaled and gummy oil and grease
- wax
- residual lacquer and paint

Not suitable for light metals (Al, Mg and their alloys); not suitable for plastics that are susceptible for stress cracking - check compatibility before use.

### **Application and dosage**

Dosage: 3 - 5 % in water, temperature: 50 - 90°C, duration: 3 - 10 min in ultrasonic bath.

Thoroughly rinse with water and dry. For temporary corrosion protection of get rusty pieces use 0.1% "SW-AK" within the cleaning bath or rinse bathes additionally.

### **Safety recommendations**

*Sonoswiss Cleaner T9 (SW-C T9)* is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (skin corrosive and serious eye damage, corrosive to metals [aluminium]). Observe also with respect to this the hints indicated in the Safety Data Sheet and always handle chemicals with care.

### **Physical-chemical characterisation**

Density: 1.24 g/ccm, pH (1% solution): 12.4 .

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

Does not contain phosphates and silicates. Emulsifying.

### **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: for 1 kg of the concentrate use approx. 715 ml 60% acetic acid or approx. 730 g water-free citric acid in an ultrasonic bath. Do not use hydrochloric or sulfuric acid in ultrasonic bathes ! European waste code: 20 01 29\*, „detergents containing dangerous substances“.

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

Available volumes: 2,5 liter 10 liter and 25 liter HDPE-can.

Store in closed original container at a temperature between -5°C and +30°C, protected from heat and direct solar radiation. Do not store with acids.

Shelf life: 3 years from date of production (see stamp on label).

Classification for all means of transport: class 8, UN 1824.

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