

## Special-Cleaner for the ultrasonic bath

### Concentrate - based on phosphoric acid

For decalcification and rust removal of machine parts, fittings, water meters, workpieces, chains, glass and ceramic parts in industry, handicraft and laboratories.

TICKOPUR R 27 has been especially designed for cleaning in SONOREX ultrasonic cleaning units, as well as for cleaning by immersion or wiping techniques.

If used properly, a fast and gentle cleaning is achieved.

#### TICKOPUR R 27 removes:

strong mineral residues like lime, silicate, phosphate, cement etc. as well as rust, temper colours, metal oxides, fat and oil films

from

steel, stainless steel, precious metals, glass, ceramics, plastics and rubber.

#### Properties

- liquid
- for ultrasonic application
- highly concentrated
- pH 1.9 at 1%
- emulsifying
- biodegradable

#### Application

##### Application with ultrasound

dosage: 5 %  
sonication time: 2 - 10 minutes  
temperature: 20 - 60 °C

##### Application without ultrasound

dosage: 10 - 20 %  
sonication time: up to 12 hours  
temperature: 20 - 60 °C

#### Information for application

Make sure the surface of objects is completely immersed. Hollow objects have to be immersed in a way that air can completely escape from the cavities. Concentration and time of application depend on type and degree of contamination. For stubborn soiling heat to 60 °C.

After cleaning, rinse parts thoroughly with water. For spotless drying rinse with demineralised water.

#### Composition

TICKOPUR R 27 contains: >30 % phosphoric acid, 1-<10 % non-ionic tensides, water.

#### Material compatibility

TICKOPUR R 27 has a high material compatibility. Caution with parts made of tin, zinc, light metal and unprotected steel. We recommend testing the resistance of sensitive materials before cleaning.

#### Chemical and physical data

appearance: clear, yellowish liquid  
density: 1.40 g/ml  
viscosity: 59 mPa·s  
temperature stability: -20 to 100 °C  
shelf life: >6 years  
pH-value: 1.9 at 1 %

#### Ecology

The contained surfactants are biodegradable according to Regulation (EC) No. 648/2004 on detergents. Used solutions can be let into the sewerage after neutralisation and dilution with the quadruple amount of water if the contaminations allow this. The neutralisation can be done with alkali to a pH-value of 6,5 - 9,5. 1 litre unused solution of 5 % can be neutralised with 25 g soda. The national and local regulations concerning sewerage have to be observed.

Completely rinsed jerrycans, bottles and barrels may be recycled via national plastic recycling systems.

#### Delivery range / dosing aids

1 litre PE-bottle	Code: 815
2 litres PE-handle-bottle	Code: 874
5 litres PE-jerrycan	Code: 816
25 litres PE-jerrycan	Code: 817
200 litres PE-barrel	Code: 826

Dosing pump for 5- and 25-litres-jerrycan

Dosing valves for 25-litres jerrycan

EC-Safety Data Sheet as PDF-Download in the internet: [www.dr-h-stamm.info](http://www.dr-h-stamm.info)

These specifications are for information only. Subject to technical alterations in composition and change in legal and other safety regulations.

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