

Special-Cleaner for the ultrasonic bath

Concentrate - based on citric acid - with corrosion protection

For cleaning, rust removal, decalcification and degreasing of machine parts, tools, equipment and parts in industry, handicraft and laboratories.

TICKOPUR TR 3 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 TR 3 removes:

mineral residues, flash rust, fat, oil, wax, pigments, grinding-, polishing- and lapping residues

from

non-ferrous- and light metal, steel, stainless steel, glass, ceramics, plastics, rubber etc.

Properties

- liquid
- highly concentrated
- for ultrasonic application
- phosphate-free
- pH 3.0 at 1 %
- with corrosion protection
- emulsifying
- biodegradable

Application

Application with ultrasound

dosage: 5 %
sonication time: 1 - 10 minutes
temperature: 20 - 60 °C

Application without ultrasound

dosage: 1 - 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. After cleaning, rinse parts thoroughly with water. For spotless drying rinse with demineralised water.

Composition

TICKOPUR TR 3 contains: 1-<10 % non-ionic tensides, >10 % citric acid, 1-<10 % corrosion-inhibitors.

Material compatibility

TICKOPUR TR 3 has a high material compatibility. However parts made of tin and zinc may be damaged. We recommend testing the resistance of sensitive materials before cleaning.

Chemical and physical data

appearance: clear, colourless liquid
density: 1.07 g/ml
viscosity: 3.0 mPa·s
temperature stability: -6 to 100 °C
shelf life: >6 years
pH-value: 3.0 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 to a pH-value of 6.5 to 9.5 and dilution with the quadruple amount of water if the contaminations allow this. 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: 913
2 litres PE-handle-bottle	Code: 923
5 litres PE-jerrycan	Code: 935
25 litres PE-jerrycan	Code: 937
200 litres PE-barrel	Code: 973

Dosing pump for 5- and 25-litres-jerrycan

Dosing valves for 25-litres jerrycan

EC-Safety data sheet available in the internet: 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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