Intensive-Cleaner for the ultrasonic bath

Concentrate - demulsifying - with corrosion protection

For cleaning and degreasing of machines and their components, tools, equipment, injection nozzles (fuel injectors for diesel and petrol) and parts in industry, handicraft and laboratories.
TICKOPUR TR 13 has been especially designed for cleaning in SONOREX ultrasonic cleaning units, as well as for cleaning by immersion, wiping or high pressure techniques. If used properly, a fast and gentle cleaning is achieved. Heating the cleaning liquid up to 80 °C accelerates the cleaning process.

TICKOPUR TR 13 removes:

resinification, coking residues, soot, fat, oil, wax, pigments, mist coat, grinding-, polishing- and lapping-residues.	**from**	steel, stainless steel, precious metals, glass, ceramics, plastics, rubber etc.

TICKOPUR TR 13 - cleaning solutions are demulsifying. Oil and fat containing components float to the surface of the cleaning solution so that they can be skimmed easily. The lifetime of the cleaning solution is prolonged. The effectiveness of oil separators is not impaired.

Properties
- liquid
- for ultrasonic application
- demulsifying
- alkaline, pH 11.9 at 1%
- silicate-free
- biodegradable

Application

Application with ultrasound

dosage:	0.1 - 10 %
sonication time:	1 - 10 minutes
temperature:	20 - 80 °C

Cleaning of injection nozzles (fuel injectors)
10 % – 2-10 min – 60 °C

Application without ultrasound

dosage:	1 - 20 %
immersion time:	up to 12 hours
temperature:	20 - 80 °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 immediately and thoroughly with water. For spotless drying, rinse with demineralised water.

Composition
TICKOPUR TR 13 contains: <5 % amphoteric tensides, <5 % anionic tensides, complexing agents, 2-5 % sodium hydroxide, alcohols

Material compatibility
Alkali sensitive parts like light metals, tin, zinc and non-ferrous metals may be damaged. We recommend testing the resistance of sensitive materials before cleaning.

Chemical and physical data

appearance:	clear, yellowish liquid
density:	1.09 g/ml
viscosity:	2.2 mPa·s
temperature stability:	-9 to 100 °C
shelf life:	>6 years
pH-value:	11.9 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 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:	844
2	litres PE-handle-bottle	Code:	872
5	litres PE-jerrycan	Code:	848
25	litres PE-jerrycan	Code:	850
200	litres PE-barrel	Code:	853

Dosing pump for 5- and 25-litres-jerrycan
Dosing valves for 25-litres jerrycan

EC-Safety data sheet available in the internet

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

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