

Universal-Cleaner for the ultrasonic bath
Concentrate - mildly alkaline - with corrosion protection
EXAM-expertise No.: 5734/06

For cleaning and degreasing of machines and their components, tools, equipment and parts in industry, handicraft and laboratories. For cleaning of heavily soiled respirators (face masks) and protective work equipment.

TICKOPUR R 33 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.

TICKOPUR R 33 removes:

common soiling, grinding-, polishing- and lapping-residues, oily and greasy residues, dust, soot, ink etc.

from

metals, also light metals, glass, ceramics, plastics, rubber, windows, glasses, E-filters, respirators (face masks) etc.

Properties

- liquid
- highly concentrated
- for ultrasonic application
- pH 9.9 at 1%
- with corrosion protection
- EXAM-expertise for ultrasonic application
- biodegradable

Application

Application with ultrasound

dosage: 3 - 5 %
 sonication time: 1 - 10 minutes
 temperature: 20 - 80 °C

Application without ultrasound

dosage: 1 - 10 %
 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 thoroughly with water. For spotless drying, rinse with demineralised water. Respirators (face masks) and protective work equipment have to be cleaned according to the manufacturers specifications.

Composition

TICKOPUR R 33 contains: 5 - 15 % anionic tensides, 5 - 15 % phosphate, <5 % non-ionic tensides, <5 % silicate, complexing agents.

Classification according CLP

Signal word: Danger, GHS05, H315, H318.

Material compatibility

TICKOPUR R 33 has a high material compatibility. Parts made of tin and zinc may be damaged. We recommend testing the resistance of sensitive materials before cleaning.

The material compatibility of TICKOPUR R 33 in the ultrasonic bath on face masks of MSA Auer has been certified by an expertise of EXAM "centre of competence" for breathing protection.

Chemical and physical data

appearance: clear, colourless liquid
 density: 1.13 g/ml
 viscosity: 5.4 mPa·s
 temperature stability: -6 to 100 °C
 shelf life: >6 years
 pH-value: 9.9 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	Order No. 830
2 litres PE-handle-bottle	Order No. 883
5 litres PE-jerrycan	Order No. 831
25 litres PE-jerrycan	Order No. 835
200 litres PE-barrel	Order No. 837

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

EC material safety data sheet available online as PDF download at: 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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