

**Corrosion Protection
for Ferrous Metals****Concentrate – solvent free**

Effective corrosion protection after ultrasonic cleaning with TICKOPUR preparations and subsequent rinsing with water of disassembled and non-disassembled machines, tools, equipment and parts in industry, handicraft and laboratories.

TICKOPUR KS 1 is specially designed for cleaning in SONOREX ultrasonic cleaning units, as well as for cleaning by immersion or wiping.

If used properly an effective corrosion protection for indoor storage is achieved.

TICKOPUR KS 1 protects:

Grey cast iron, hard metals, unprotected steels of various alloys against corrosion.
Forms effective corrosion protection on iron and steel for indoor storage.

TICKOPUR KS 1 solutions action corrosion protective. Once dry, the corrosion protection is not oily or greasy.

Properties

- liquid
- concentrate
- for ultrasonic application
- solvent free
- biodegradable

Application**Application with ultrasound**

dosage: 0.2 – 2.0 %
sonication time: 5 to 120 seconds
temperature: 20 - 70 °C

Application without ultrasound

dosage: 0.5 – 2.0 %
immersion time: 15 sec – 5 min
temperature: 20 - 70 °C

Solutions from 1.0% that are prepared with municipal water (>25 °dH; equals 445 ppm CaCO₃) may become cloudy.

To avoid cloudiness, TICKOPUR KS 1 should be prepared with deionised water.

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. Ultrasonic rinsing is advantageous for complex geometries.

It is recommended to heat the ready-to-use solution up to 60–70 °C so that the parts can dry quickly after treatment using their own heat. During subsequent drying, the temperature must not exceed 120 °C. The corrosion protection can be removed without leaving any residue using water or aqueous cleaning agents.

Material compatibility

TICKOPUR KS 1 is suitable for all ferrous metals. We recommend testing the resistance of sensitive materials before cleaning.

Chemical and physical data

appearance: clear, yellow liquid
density: 1.05 g/ml
viscosity: 5.0 mPa·s
shelf life: >6 years
pH-value: 7.4 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 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.

Composition

TICKOPUR KS 1 contains: 5 - 15 % carboxylic acid, 5 - 15 % amines.

Delivery range / dosing aids

2 litres PE-handle-bottle Order No. 6011
5 litres PE-jerrycan Order No. 6012

Dosing pump for 5-litres-jerrycan

Classification according CLP

Signal word: Danger, H318, P305+P351+P338.

Restricted to professional users.

EC-Safety Data Sheet as PDF-Download in the internet: www.dr-stamm.de

These specifications are for information only. Subject to technical alterations in Composition and change in legal and other safety regulations. This product information is a translation. The binding edition is the German version.

DR·H·STAMM GmbH Chemische Fabrik

Heinrichstraße 3 – 4 • 12207 Berlin • GERMANY

Tel.: +49 30 76880280 • Fax: +49 30 7734699