

TECHNICAL INFORMATION

LURIGOL 100

Description

LURIGOL 100 is a liquid, neutral or slightly alkaline degreasing concentrate for removing heavy soiling from tools and components. It is used from 50°C without unwanted foam in automatic washing machines, spray and flood cleaning systems. Below 50°C it can be used in immersion baths with ultrasonic support. LURIGOL 100 cleans surfaces of materials such as steel, stainless steel, cast iron, non-ferrous metals, aluminium, paints, glass, ceramics, plastics. LURIGOL 100 effortlessly removes oils and greases of all kinds, cooling lubricants, drilling, cutting and hydraulic oils, engine and anti-corrosion oils, native greases, lubricant components, swarf and dust. LURIGOL 100 offers slight temporary corrosion protection and is suitable for oil separators due to its demulsifying properties. LURIGOL 100 is not subject to labelling requirements.

Application

Application concentration washing: 2.0 - 5.0 %
Immersion application, temperature range: 30 - 50 °C
Spray application, temperature range: 50 - 80 °C
Washing times are between 2 and 5 minutes and depend on level of contamination and system.

Characteristics

State, colour: Liquid, light yellow
pH value (1% solution, deionised water, 20°C): 9.0 ± 0,2
Density (concentrate, 20°C): 1,11 g/cm³

Bath control

To achieve consistent cleaning and passivation results, the concentration of LURIGOL 100 in the wash bath should be monitored and LURIGOL 100 added if necessary. Particle filters and oil separators are recommended for bath maintenance in order to increase the bath's lifetime.

Determination of the concentration

Sample: 10 mL bath solution with LURIGOL 100
Reagents: 1. Tashiro indicator solution (colour change (green – grey): pH 5,6)
2. 0,1 N hydrochloric acid
3. deionised water
Factor: 1.60 (in deionised water)

Titrate 10 mL bath solution from green to grey with 0.1 N hydrochloric acid after adding approx. 100 mL deionised water and 3 to 5 drops of Tashiro indicator solution (Over-titration turns the solution pink/purple). A pH-metric titration is carried out to pH 5.6.

mL hydrochloric acid used x 1.60 = % LURIGOL 100

Further information

see safety data sheet