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# riag Clean 628

## All-purpose degreasing process

**riag Clean 628** is a mild alkaline degreasing process, which is being used in immersion applications for all base materials. The degreasing product leaves a hydrophobic layer, which may be used as a temporary corrosion protection. **riag Clean 628** may be used as an auxiliary material for vibratory grinding (wetting agent component).

### Properties

- Mild alkaline liquid
- Suitable for all base materials
- Intensive cleaning and degreasing
- Temporary corrosion protection (alkaline removable)
- Auxiliary material for vibratory grinding (approx. 10 mL/L)

### Ingredients

- Anionic and nonionic surfactants
- Corrosion inhibitors
- Amine

### Make up of 100 Liter riag Clean 628

	ultrasonic	immersion	corrosion protection
riag Clean 628 Additive, liquid	3 – 5 L	3 – 5 L	0.5 – 2 L
Temperature	60 – 90 °C	60 – 90 °C	20 – 90 °C
Time	1 – 5 min.	2 – 10 min.	0.1 – 1 min.

### Density (20 °C)

The concentration cannot be determined by measuring the density due to very small differences.

## Make up

The tank is filled to  $\frac{2}{3}$  with water and the calculated amount of **riag Clean 628 Additive** is added. Finally add water up to the working level. Once the cleaner has reached its working temperature, it is ready for use.

## Operating parameters

Temperature	20 – 90 °C
Time	0.1 – 10 min.
Agitation	Recommended (shorter treating time), as it supports the cleaning process
Tanks	Plastic or lined steel, when using ultrasonic high alloy steel
Ultrasonic	Ultrasonic will increase the cleaning efficiency essentially. The removing power of polish on copper-alloys is around 10 W/L.
Heating	Immersion heaters, but thermostatic control is essential.
Fume extraction	Recommended
Water	Tap water may be taken for the makeup, however the use of low calcium or DI water is recommended.

## Maintenance

**riag Clean 628** is used with different concentrations, due to the various possibilities of application. The concentration has to be checked after each make up by analysis to stay in the desired working range.

## Environmental considerations

All concentrates, rinse waters and waste solution must be treated and discharged in accordance with local effluent control regulations. Further information can be gleaned from the MSDS. Chemicals may not be stored below 10 °C:

## Liability

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## Analysis (Analytical methods)

### Sample preparation:

The sample must be taken from a well-mixed location and allowed to cool down to 25 °C.

Reagents:                      Hydrochloric acid 1 mol/L  
   Methyl orange solution 0.1 % in water

Procedure:                      100 mL            **riag Clean 628** are transferred via pipette into a  
   250 mL            beaker, add  
   5 drops            methyl orange solution  
   Titrate with hydrochloric acid 1 mol/L from yellow to red

Calculation:                      **riag Clean 628 Additive** (mL/L) = use of HCl in mL x 7.04

If the degreasing process doesn't work properly even though the concentration is within the desired range, a new make up is necessary.

### Attention:

Chemicals not intended to be added to the process may disturb and influence the quality of the processed surfaces.