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# riag Clean 626

## Liquid degreasing process

riag Clean 626 is a mild alkaline degreasing process which is used in various applications.

### Properties

- Mild alkaline liquid (pH value about 8.5)
- Silicate and borate-free
- Suitable for aluminium, non-ferrous metals, zinc and to a limited extent also for ferrous materials
- Usable for soak-, ultrasonic- or spray applications
- Ultrafiltration is possible (depending on the surfactant mixture used)
- Emulsifying / demulsifying (in combination with **riag Clean\***)

### Ingredients

- Phosphates
- Triethanolamine

### Make up of riag Clean 626

	soak	
riag Clean 626 Additive	40 –	60 mL/L
riag Clean*	5 –	12 mL/L
Temperature	50 –	70 °C
Time	1 –	15 min

**riag Clean\***: for the best solution contact our sales department.

## Make up

The tank is filled to  $\frac{2}{3}$  with water and heated to approx. 40 °C. Add the calculated amount of **riag Clean 626 Additive** and **riag Clean\***. Finally add water until the working level has been reached. Once the cleaner has reached its working temperature, it is ready for use.

## Operating parameters

Agitation:	Recommended (shorter treating time), as it supports the cleaning process
Tanks:	Plastic or lined steel, when using ultrasonic high alloy steel
Heating:	Immersion heaters, but thermostatic control is essential.
Fume extraction:	Recommended
Water:	To ensure the longest possible service life and problem-free use, we recommend the use of reverse osmosis, fully demineralised or deionised water.

## Maintenance

**riag Clean 626** can be used in different concentrations depending on the application. However, the working concentration must be checked or determined by analysis when preparing a new make up. The addition of **riag Clean 626 Additive** and **riag Clean\*** should always be in the same ratio as the make up.

## 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

This instruction manual was compiled with reference to the state of the art and all current standards, and is based on the long-term knowledge and experience of riag. However, riag cannot monitor compliance with this instruction manual and the methods described herein at the customer/end-user's premises. Work carried out with riag products must be adapted accordingly to meet local conditions. In particular, riag cannot accept liability for damage, loss or cost incurred due to a failure to adhere to this instruction manual, improper application of the methods, unauthorised technical modifications, insufficient maintenance or the absence of maintenance in respect of the requisite technical hardware or equipment, or in the event of use by unqualified personnel. riag is not liable for damage or loss caused by riag or its employees except where intention or gross negligence can be proved. riag furthermore reserves the right to make changes in relation to products, methods and the instruction manual without prior notice.

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### Analysis (Analytical method riag Clean 626)

#### 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:                     10 mL           **riag Clean 626** are transferred via pipette into a  
  250 mL          beaker, add  
  50 mL          deion. water, add  
  5 drops         methyl orange solution  
  Titrate with hydrochloric acid 1 mol/L from yellow to red

Calculation:                     **riag Clean 626 Additive** (mL/L) = use of HCl in mL x 4.2

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

#### Attention:

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