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# RIAG Clean 608

## Acidic liquid degreasing process

RIAG Clean 608 is a slightly acidic degreasing process, which can be used in many applications.

### Properties

- Slightly acidic (in use about pH 2.5)
- Suitable for iron and steel
- Suitable for immersion applications

### Ingredients

- Organic acids
- Nonionic detergents
- Corrosion inhibitors

### Make up of 100 Litres RIAG Clean 608

RIAG Clean 608 Additive,

liquid

Temperature

Time

1 – 4 L

40 – 80 °C

0.5 – 2 min.

### 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 608 Additive**. Finally add water up to the working level and mix well. 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	Tap water may be taken for the makeup, however the use of low calcium or DI water is recommended.

## Maintenance

Depending on the application **RIAG Clean 608** can be used in several concentrations. To stay in the desired working range the concentration of the cleaner has to be checked after each make up, either by analysis or by density.

## 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:

Take sample from a well-mixed location and allow to cool down to 25 °C.

Reagents: Sodium hydroxide 0.1 mol/L  
Phenolphthalein solution 0.1 % in ethanol

Procedure: 10 mL **RIAG Clean 608** is transferred via pipette into a  
250 mL beaker, add  
100 mL deion. water, add  
5 drops phenolphthalein solution  
Titrate with sodium hydroxide 0.1 mol/L from colourless to pink violet

Calculation: **RIAG Clean 608 Additive** (mL/L) = use of NaOH in mL x 2.52

Should the cleaner despite proper maintenance not work satisfactory anymore, 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.