

25.07.2014

# riag Clean 665

## Emulsifying Detergent

**riag Clean 665** is a high emulsifying liquid detergent booster for immersion cleaning processes. It's suitable for all base materials.

### Properties

- Liquid
- Concentrated detergent mixture
- High oil emulsifying capacity
- Suitable for all pH-values (acidic, neutral or alkaline medium)
- Particular suitable for KLT-Deep drawing oils

### Ingredients

- Nonionic surfactants
- Anionic surfactants

### Make up of riag Clean 665

Concentration	0.2 – 1.5 %, in combination with an immersion cleaner
Temperature	all temperatures
Application time	according to the TDS of the immersion cleaner process

### Make up

The tank is filled to  $\frac{2}{3}$  with water and heated to approx. 30 °C. Add the calculated amount of **riag Clean** and stir until the salt is dissolved. Finally add the correct amount of **riag Clean 665 Emulsifier** and 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	Tap water may be taken for the makeup, however the use of low calcium or DI water is recommended.

## Maintenance

**riag Clean** should be analysed regularly. The replenishment of **riag Clean 665 Emulsifier** and **riag Clean** should be carried out in the same ratio as the make up. In case of high oil drag in, it might be necessary to increase the content of **riag Clean 665 Emulsifier** in the cleaning solution.

## 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.

Our goods and services are subject to the General Terms and Conditions for Delivery of the Association of Surface Technology Suppliers (VLO), which can be viewed at [www.riag.ch](http://www.riag.ch) (link "terms and conditions", document "General Terms and Conditions for Delivery", version 3/2018), which we gladly send you on request.

This transaction is governed by material Swiss law (Law of Obligations), excluding private international law (conflict of laws) and intergovernmental treaties, specifically the CISG.

riag Oberflächentechnik AG  
Murgstrasse 19a  
CH-9545 Wängi  
T +41 (0)52 369 70 70  
F +41 (0)52 369 70 79  
riag.ch  
info@riag.ch