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riag Act 657

Liquid activation for non-ferrous metals to remove oxide layers

riag Act 657 is an acidic liquid activation which is suitable to remove oxide layers on non-ferrous metals.

Make up

riag Act 657 Additive

Standard value

10 – 30 mL/L

To maintain the effectiveness of the **riag Act 657 Additive** a frequent addition of 1 – 2 mL/L is necessary.

Operating parameters

Temperature:	20 – 40 °C (Lower temperatures can be applied for easily activated parts.)
Dipping time:	Depending on the type of workpiece and dirt 30 seconds – 2 minutes
Agitation:	Recommended (shorter treating time)
Tanks:	Rubberised steel or plastic tanks
Heating:	Thermostatic control is essential
Fume extraction:	Recommended

The application of **riag Act 657** is harmless. When neutralizing the activating disturbing effects do not occur because the process does not contain any complexing agents.

Please contact us for further applications of **riag Act 657**.

Technical specifications

At 20 °C
riag Act 657

Appearance
clear, liquid

Environmental considerations and product safety

All concentrates, rinse waters and waste solution must be treated and discharged in accordance with local effluent control regulations. Information can be gleaned from the material safety data sheets. Chemicals shall 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 methods)

Sample preparation:

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

Reagents: Sodium hydroxide solution 0.1 mol/L
 Methyl orange solution 0.1 % in water

Procedure: 10 mL **riag Act 657** are transferred via pipette into a
 150 mL beaker, add
 50 mL deionised water, add
 3 drops Methyl orange solution
 Titrate with Sodium hydroxide solution 0.1 mol/L
 from pink to yellow

Calculation: **riag Act 657 Additive** (mL/L) = use of NaOH 0.1 mol/L in mL x 1.59