

Ultrasonic cleaning salt ULTRA 2000

Instructions for use

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Product description

Ultrasonic cleaning salt ULTRA 2000 is a mixture of phosphates, borates, anionic and non-ionic surfactants and inhibitors. The ready-to-use ultrasonic cleaning bath ULTRA 2000 made-up from it is suitable for gently removing oil polishing pastes and grinding residues on non-ferrous and light metals as well as gold and silver surfaces. ULTRA 2000 is weakly alkaline and silicate-free. The cleaned surfaces are well-wettable with water.

Table of articles

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Equipment

Tank material: PVC, PP, PPH, PE or stainless steel

Bath make-up

Make-up chemicals

Bath chemicals for 1 l ready-to-use ultrasonic cleaning bath ULTRA 2000:

- 30–50 g *Ultrasonic cleaning salt ULTRA 2000*
- 1 l Tap water (40–50 °C)

Procedure

Into a thoroughly cleaned tank the quantity of tap water which is required for the desired bath volume is filled and heated to 40–50 °C. The appropriate quantity of *Ultrasonic cleaning salt ULTRA 2000* is slowly put into the water while stirring constantly. The solution must be stirred until the salt has been dissolved completely.

Process overview

Depending on the degree of surface pollution the goods to be cleaned are treated in the ready-to-use ultrasonic cleaning bath ULTRA 2000 for 1–3 min before the pre-treatment is completed with *Electrolytic degreasing bath Type A* as well as, if needed, with *Acid dip bath S* or 10% sulphuric acid solution and galvanic coatings follow. Multistate rinsing in water is required after operation of each of the respective process baths. The last rinsing step before a galvanic coating should be performed in deionised water.

Process parameters

Bath temperature: 50–90 °C
Exposition time: 1–3 min

Bath control and regeneration

It is not possible to regenerate the bath. The solution must be replaced regularly.

Hazard information, storage, disposal

The occupational safety measures and regulations specified in the material safety data sheet must be observed. *Ultrasonic cleaning salt ULTRA 2000* and the ready-to-use ultrasonic cleaning bath made-up from it must be stored sealed and separately from food in suitable and labelled containers. Spent bath solutions and drag-out rinse waters must **not** be discharged into the waste water without first being treated.

The information on our product and the method are based on intensive research and technical experience of this application. We provide these results to the best of our knowledge and reserve the right to make technical changes in the course of product development.

However, this does not relieve the user of their responsibility to check our specifications for their own use before application. If you have any questions or would like a consultation, please contact our application technology service department at any time. We would also be happy to discuss our further electroplating product range.