JEWELRY PLATING

SGR1

ELECTROLYTIC DEGREASING SOLUTION FOR RHODIUM PLATING PROCESS

DESCRIPTION

Electrolytic degreasing solution is used to activate any metallic substrate – surface before the real plating treatment. Basically, it is an alkaline solution that helps in both cleaning and preparation for the surface to be prepared. This process can be done in a wide temperature range generally between 25 and 50°C and by applying an electric tension of about 6 V by the usage of a stainless- s t e e l anode as positive electrode. In this way the electrolytic process develops a high quantity of gaseous hydrogen bubbles that mechanically helps the whole preparation step.

PRODUCT FORM	
Product pH	Alkaline
Format	Ready to use liquid
Color of the product	Colorless to pale yellow
Storage time	2 years
Packaging	5 L

PRODUCT USAGE	RANGE	OPTIMAL
Voltage [V]	4 - 8	6
Working temperature [°C]	20 - 40	25
Treatment time [sec]	30 - 120	60
Anode type	Stainless steel	

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USER GUIDE

READY TO USE SOLUTION PREPARATION

SGR1 is a ready-to-use degreasing solution. No preparation is required. Pour it directly into working tank, and start to work.

ANODES

Work with stainless steel anodes as aISI 304 or 316 type.

WORKING TANK MATERIALS

For a correct use of this product you are advised to use PVC, polypropylene or PYREX glass tanks provided with thermostat-controlled heaters.

HEATING SYSTEM

The admitted materials for heaters are: Pyrex, quartz or PTFE and stainless steel AISI 304 or 316.

SUPPLEMENTARY INFORMATION

WORKING SOLUTION LIFETIME: degradation of the degreasing solution is directly dependent on the quantity of material washed and on the level of contamination present in the solution. It is not possible to determine before the lifetime of the solution. Once exhausted, the solution must be discharged according to the local laws present to this concern.

SAFETY INFORMATION

Being an alkaline solution, the electrolyte is an irritant to the skin, eyes and mucous membranes. Caution should be exercised when using the product, avoiding contact with the eyes and skin. Use gloves and safety goggles. Keep away from acid based chemicals. For further information please refer to the relative MSDS.

DISCLAIMER

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