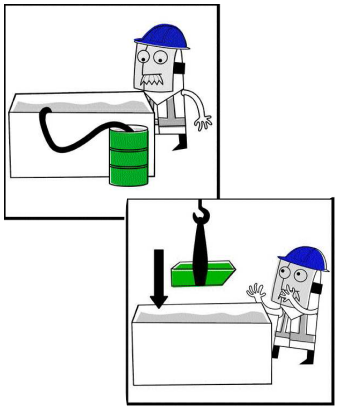
STAINLESS RESTORATION LTD

ELECTRO-POLISHING ELECTROLYTE

enerjex 801

PRODUCT:	ENERJEX 801
APPLICATION:	300 SERIES STAINLESS STEELS DUPLEX STAINLESS STEELS FOR SUITABILITY ON OTHER METALS PLEASE CONSULT OUR SALES DESK

GENERAL:



IMMERSION TIMES MAY CHANGE ACCORDING TO MATERIAL GRADE AND BATH TEMPERATURE. NB; as the bath strength decreases then the pickling times will need to be extended. Regular maintenance of the bath will ensure consistent pickling times/results

Enerjex 801 is an efficient electrolyte developed for the electropolishing and deburring of stainless steels and related materials.

Enerjex 801 will produce a 'micro-smooth' finish, increasing the 'cleanability' of stainless steel surfaces whilst enhancing the material's passivity and reistance to corrosion. The results achieved will depend greatly on the starting condition and surface structure of the material to be processed.

The electropolishing process requires an acid-reistant tank fitted with a cathode/bus bar arrangement, along with a rectifier of suitable capacity to cope with the type of work being processed. In addition, specially designed jigs, constructed of titanium are required to mount the work in the process tank, to facilitate electropolishing.

Operating conditions and parameters (temperature, time, current density, etc) will vary according to the type and composition of component being processed.

Stainless Restoration Ltd have many years of practical experience, and are able to offer advice, and supply equipment in order to enable customers to carry out electropolishing operations at their own sites.

CHEMICAL PROPERTIES:

Composition:	Phosphoric acid Sulphuric acid Complexing additives
Form:	Liquid
Density:	1.7 kg/l
pH:	0
Flash point:	-

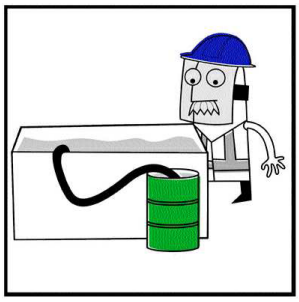


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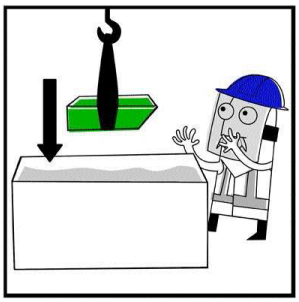
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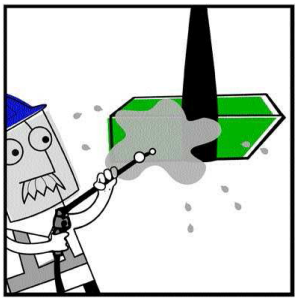
HOW TO USE:



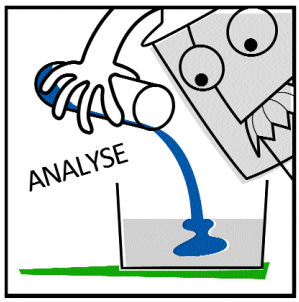
Transfer Enerjex 801 to processing tank, and heat to operating temperature.
Ensure that there is sufficient cathode surface area to cope with the type of work to be processed.



The items to be processed should be jigged and then connected to the anode bar. Processing times/current densities are governed by the type of material to be electropolished.



When the items are ready to be removed from the bath they should be washed down with clean water, or passed through a series of rinse tanks. This will help to remove the tenacious polishing 'film' which develops during electropolishing.
PPE must be worn at all times.



The strength of the acid solution will need to be measured and additions made. This testing should be carried out regularly if a consistant finish is required across a period of time. SRL can assist in this analysis as part of its after sales service.

PACKAGING: ENERJEX 801 ELECTROLYTE is supplied in 25lt, 200lt and 1000lt containers. All containers are UN certified and carry correct labelling.

STORAGE: ENERJEX 801 ELECTROLYTE should be stored indoors at room temperature. Containers must be kept in an upright position and the caps properly sealed and away from unauthorised persons.

SAFETY FIRST: As always when using chemicals proper protective clothing must be Extra care must be taken during immersion operations. See Safety Data (SDS) sheets.

ENVIRONMENT: The waste produced after electropolishing needs to be collected and neutralised before entering the public sewage system. Stainless Restoration Ltd offer neutralizing products to assist in this cause. Stainless Restoration Ltd will give advice FREE of charge concerning the disposal issues. See Safety Data (SDS) sheets.

Information given in this leaflet may be subject to alteration without notice
care has been taken to ensure that the contents of this publication are accurate but Stainless Restoration Ltd do not accept responsibility for error or for information which is found to be misleading. Suggestions for or descriptions of the end use or application of products or methods of working are for information only and the company accept no liability in respect therof. Before using products supplied or manufactured by the company the customer should satisfy himself of their suitability. If further assistance is required, the company which has access to extensive research facilities, will often be willing to help.

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