STAINLESS RESTORATION LTD

ELECTROLYTE SOLUTION FOR PICKLING MACHINES

enerjex 415e

PRODUCT:
ENERJEX 415e (formerly known as CL15e)

APPLICATION:
FOR USE IN ELECTROLYTIC PICKLING MACHINES
300 SERIES STAINLESS STEELS

FOR SUITABILITY ON OTHER GRADES PLEASE CONSULT OUR SALES DESK

GENERAL:

The CL15m pickling machine is a quick and easy way to tackle the small and fiddly pickling operations on stainless steel sheet metal work and light gauge materials of the 300 series stainless steels ie 304, 316.
It has limited application and can only be used for cleaning of TIG welds on sheet metal work. The advantage of this type of operation is that it will not leave etching or halo marks at the edge of the pickled zone.
In applications where pickling is critical as opposed to cosmetic it is recommended that a full pickle operation be applied using traditional pickling methods.

The ENERJEX 415e electrolyte is either placed in the machine or the head of the machine is dipped in the solution to moisten. complete with tools and consumables for pickling of butt welds and fillet welds in stainless steel sheet metal. Principle: The accelerated pickling is achieved by passing a low volt electric current through a moistened cloth of mild acid. It is the combination of electrolyte (mild acid solution) and low voltage (current) that gives rise to the etching (cleaning) process. Pickling can occur at a high rate of 1000mm in 30 seconds on light work or slower, say, 1000mm in 5 min's on difficult (tenacious oxides).

CHEMICAL PROPERTIES:

Composition:	Phosphoric acid
Form:	Liquid
Density:	1.1 kg/l
pH:	1
Flash point:	-



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HOW TO USE:

1) Mount the required head onto the pen. Attach a glass fibre strip onto the head. Dip the head into the ENERJEX 415e solution.

2) Run the head over the weld seam to remove discolouration.

3) Wipe the surface with Enerjex 430 cleaner solution to remove excess ENERJEX 415e.

4) Rinse with water & allow to dry. For added protection the surface can be sprayed with Enerjex 630 passivator.

PACKAGING:

ENERJEX 415e is supplied in 25lt containers All containers are UN certified and carry correct labelling.

STORAGE:

ENERJEX 415e containers must be kept in an upright position and the caps properly sealed and only authorised and trained persons to use this product.

SAFETY FIRST:

As always when using chemicals proper protective clothing must be worn; See Safety Data (SDS) sheets.

ENVIRONMENT:

This product is not regarded as damaging to the environment and therefore requires no special waste control measures except adjustment of the Ph level to 6 - 10 range Stainless Restoration will give advice FREE of charge concerning the disposal issue.

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Stainless Restoration Ltd
Unit M1 Adamson Industrial Estate, Croft Street, Hyde, Cheshire SK14 1EE
Tel: 0161 368 6191 Fax: 0161 366 9790 www.stainrest.com