DERUST X (ULTRACLEAN 62LA4)

Issue 2

TECHNICAL DATA SHEET

Description

A heavy duty highly alkaline liquid used to remove organic coatings from steel surfaces. It is also used for alkaline derusting, phosphate and lubricant removal, plant cleaning and periodic reverse electrocleaning of steel surfaces. This material does not contain Phenols or Cresols.

The Control of Substances Hazardous to Health Regulations 2002 (COSHH)

For a Safety Data Sheet on this product please contact Cambrian Solvents by telephone, or by e-mail at lab@cambriansolvents.co.uk

Instructions for use

Organic Coating Removal

The product described in this data sheet will remove, in various degrees, organic coatings from several substrates. We are always pleased to conduct laboratory scale tests of customer's workpieces and to demonstrate samples at the customer's premises in order to assist in determining the most suitable product for his stripping requirements. Nevertheless, because the exact nature of the coating is not always known and because coatings, pretreatments and operating conditions change, the final suitability for a particular purpose must always be determined by the customer.

Concentration:	As received
Temperature:	90 - 120°C.
Time:	As required. Where time is of little importance, cold use is possible.

Process Cleaning

(1) Phosphate and Lubricant Removal

Concentration	:	50-225gm/litre
Temperature	:	80 - 100°C
Time	:	0.5 - 10 minutes

(2) Alkaline Derusting

Concentration	:	100-450 gm/litre
Temperature	:	80 - 100°C
Time	:	1 - 20 minutes

(3) Periodic Reverse Cleaning

Concentration	:	100-300gm/litre
Temperature	:	55 - 80°C
Time	:	1 - 15 minutes
Current Density	:	1.6 - 13 amp/dm^2

Control

Titrate a filtered 10 ml sample of the bath against 1.0N Hydrochloric Acid to the phenolphthalein end point. (Pink to colourless.) Each ml is equivalent to 16.4 gm/litre Derust X.

Equipment

Stainless steel is ideal for use with Derust X. Mild steel is acceptable but steam coils will have a limited life. At higher temperatures vapours containing sodium hydroxide may be released. It is therefore recommended that extraction systems and or respirators are used in addition to other PPE requirements.