

## SWAX

### Safewash Extra

SWAX is a powerful water based cleaner which has been developed for the removal of solder pastes and surface mount adhesive from screens, stencils, boards and accessories. Designed for use in automated screen cleaning equipment, regular use of SWAX will facilitate swift and efficient printing, fewer misprints and the retrieval of misprinted boards, thus avoiding costly wastage.

- Removes uncured pastes and adhesives; ideal for stencils, screens and accessories
- Low foaming action; suitable for use in pressure wash systems and screen cleaning equipment
- Ready to use product, no dilution required; increases production efficiency
- Non-flammable product, 100% ozone friendly; suitable for use in standard cleaning equipment

**Approvals**                      **RoHS Compliant (2015/863/EU):**                      **Yes**

<b>Typical Properties</b>		
Appearance		Colourless Liquid
Boiling Point (°C)		>100
Flash Point (°C)		None
Freezing Point (°C)		<-10
Density @ 20°C (g/ml)		1.003
Viscosity @ 20°C (mPa s)		10-15
pH		10.3
Surface Tension @ 25°C (mN/m)		28.5

<b><u>Description</u></b>	<b><u>Packaging</u></b>	<b><u>Order Code</u></b>	<b><u>Shelf Life</u></b>
<u>Safewash SWAX</u>	5 Litre 25 Litre	SWAX05L SWAX25L	36 Months 36 Months

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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BS EN ISO 9001:2008  
Certificate No. FM 32082

## **Directions for Use**

SWAX has been designed to be used in a three stage cleaning cycle; wash, deionised water rinse and air dry. Typical cycle times may range from 3 –6 minutes, but are dependent upon the type of paste/adhesive being removed, the age of the deposit, the temperature employed and the effectiveness of the cleaning machine. SWAX may be used from 20-55°C; it should be noted, however that the temperatures used must also be compatible with the maximum operating temperatures of the stencil mounting adhesives.

**Cleaning Equipment** - SWAX has been developed for use in stencil cleaning machines and has been thoroughly tested in both ultrasonic and pressure wash systems from a variety of manufacturers. It has been tested with various pump seals employed in cleaning machines and has been found to be compatible with EPDM, Silicone rubber, Viton, Nitrile rubber and neoprene seals.

**Screens/Stencils** - SWAX is suitable for use on all commonly used screens, stencils (stainless steel, nickel and plastic) and printed circuit boards.

SWAX can be used repeatedly for cleaning both pastes and adhesives without a significant deterioration in the cleaning performance. Laboratory tests have shown that SWAX may be loaded to 50% w/w with solder pastes before the performance is affected. This magnitude of loading also corresponds to a drop to a pH of 6, which may be used as an indicator for the replacement of the cleaning solution. It might be useful to note that the removal of adhesives does not contribute to, nor is affected by this drop in pH.

Revision 2: Jan 2019

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