



SURCLEAN
Electronic Production Materials



TECHNICAL DATA SHEET

Surclean - EF-28LQ Alcohol-Resin Liquid Flux

PRODUCT APPLICATION

EF-28LQ Alcohol-Resin liquid flux has been specially formulated to enable effective soldering of tinned and clean Copper surfaces, primarily in Electrical and Electronic applications. The flux residues are non corrosive and can be safely left on the assembly. Alternately residues can be removed with Alcohol or water based Alkali saponifier cleaning chemistries if required for cosmetic or conformal over coating reasons.

CHARACTERISTICS

Good Fluxing Action - Easy soldering of pre-tinned and clean Copper surfaces. Works with Copper alloys.

Resin based formulation - Residues are non corrosive.

Suitable for Electrical & Electronic soldering - Cleaning of residues is not required, but can be undertaken.

Works with wide variety of Solder Alloys - Excellent results with Tin/Lead alloys, but also works well with Lead free alloys such as SN100C, SAC alloys and 99C.

APPLICATION METHODS

EF-28LQ Alcohol-Resin Liquid Flux can be applied by brush to the joint area, or dipping. Soldering should take place immediately after flux application. Small adjustments to the flux viscosity can be made with Surclean EF-28-THA thinners. Heat can be applied by soldering iron, induction heating, or in the case of large cables, by basting with clean solder alloy. If using a blow torch, heating should be indirect on an adjacent area until the solder joint reaches the solder melt point, and the joint is made. After cooling, the flux residue will form a hard, non-corrosive film which may be left in place.

PACKAGING AVAILABILITY

EF-28 Alcohol-Resin paste flux is packed in plastic tub containers. Standard pack sizes are 500ml and 1 litre screw top bottles. Other larger pack sizes are available subject to availability.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Viscous liquid.	Colour: Light brown to orange.	PH Value: 3.8 - 4.2 (Acidic)
Odour: Alcohol resin odour.	Water solubility: Not soluble.	Alcohol solubility: Soluble.
Solids content: typically 40%	Acid value: 130 Spec. Gravity: 0.983	Flash point: 10 deg. C.

HEALTH & SAFETY

Surclean EF-28LQ Alcohol-Resin Liquid flux should be treated as a corrosive material. Take precautions to minimize risk of skin or eye contact. Use suitable eye and skin personal protection equipment. EF-28LQ is a flammable Alcohol based material. Storage, handling, workspace precautions for flammables must be observed. Read the application notes in this technical data sheet, and refer to the safety data sheet for the product before use.