

## Flux-Off Lead-Free Flux Remover

**Product# ES1697, ES897B, ES197**

### Product Description

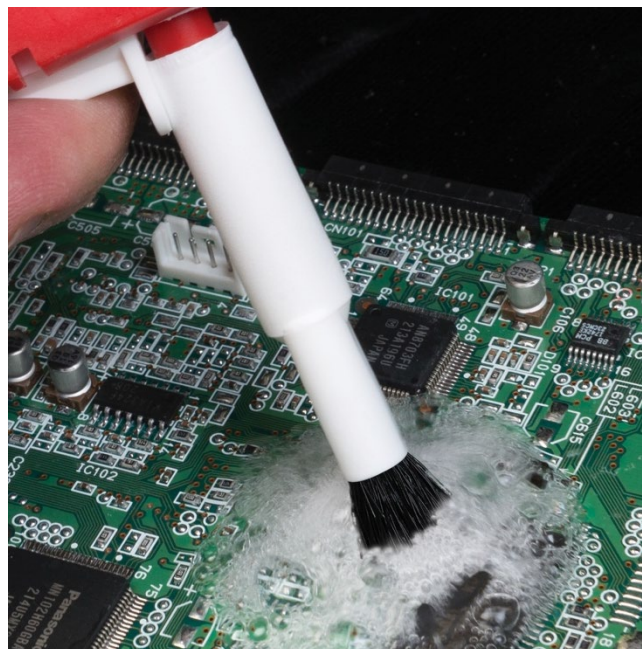
Flux-Off Lead-Free Flux Remover is an extra strength solvent that removes heavy and encrusted flux deposits resulting from high temperature lead-free soldering applications. This powerful cleaner quickly removes all types of flux, oxide particles, dust, grease and oil, and then evaporates quickly leaving no residues.

- Removes R, RA, RMA, and No Clean fluxes in lead-free and Tin/Lead applications
- Non-corrosive, safe for metals
- Flammable
- Extra-strength, fast drying
- Removes encrusted, baked-on fluxes
- All-Way Spray valve — even sprays upside down
- Available with BrushClean System
- RoHS compliant

### Typical Applications

Flux-Off Lead-Free Flux Remover effectively cleans flux residues from:

- Chip Carriers
- Heat Sinks
- Metal Housings and Chassis
- Printed Circuit Boards
- Plugs
- Relays and Contacts
- Sockets
- Surface Mount Device Pads
- Solenoids



### Typical Product Data and Physical Properties

Flash Point (TCC):	-20°F / -29°C
Evaporation Rate:	>1
(butyl acetate =1)	
Specific Gravity:	0.706
Appearance:	Clear, colorless liquid
Odor:	Ethereal
Solubility in Water:	Negligible
Kauri-Butanol (KB) Number	86
Shelflife	5 years
RoHS Compliant	Yes



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### Compatibility

Flux-Off Lead-Free Flux Remover, like any cleaner, should be tested on a non-critical area to determine plastics compatibility prior to use. Not recommended for ABS, acrylics, polycarbonates, polystyrenes and PVC.

Material	Compatibility
ABS	Non-Compatible
Buna-N	Non-Compatible
EPDM	Excellent
Graphite	Excellent
HDPE	Excellent
LDPE	Good
Lexan	Non-Compatible
Neoprene	Fair
Noryl	Non-Compatible
Nylon 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Non-Compatible
PVC	Non-Compatible
Silicone Rubber	Non-Compatible
Teflon	Excellent
Viton	Non-Compatible

### Usage Instructions

**For industrial use only. Read SDS carefully prior to use.**

Spray 4-6" from surface to clean. Wash parts from top to bottom, allowing the liquid to flush away flux residue. Flux-Off Lead-Free Flux Remover can be used to remove all types of fluxes in batch cleaning applications, including ultrasonic systems specifically rated for use with flammable solvents.

### Availability

<b>ES1697</b>	12 oz. / 340 g Aerosol
<b>ES897B</b>	6 oz. / 170 g BrushClean System
<b>ES197</b>	1 Gal. / 3.7 L Liquid

### Environmental Impact Data

CFC	0.0%
HCFC-141b	0.0%
HCFC-225	0.0%
VOC	51%
HFC	0.0%
nPB	0.0%

CFC, HCFC-225, HCFC-141b, VOC, HFC, and nPB percentages shown are the content by weight.

### Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

*The toll free number is: 1-800-TECH-401.*

### Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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