

## **Technical** Data Sheet

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# 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

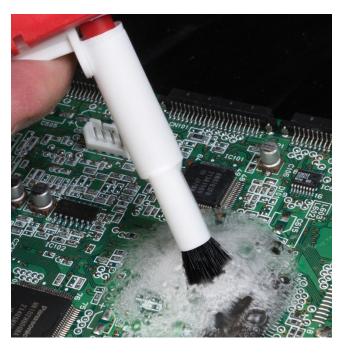
#### **Typical Applications**

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







### **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	86
(KB) Number	
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**

**ES1697** 12 oz. / 340 g Aerosol

ES897B 6 oz. / 170 g BrushClean System

**ES197** 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.

