

CHEMTRONICS

Technical Data Sheet

TDS # 1697

Flux-Off[®] Lead-Free Flux Remover

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
- Switches

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

| | |
|-------------------------------------------|-------------------------|
| Flash Point | -20°F |
| Evaporation Rate (butyl acetate=1) | >1 |
| Specific Gravity | 0.706 |
| Appearance | Clear, Colorless Liquid |
| Odor | Ethereal |
| Solubility in Water | Negligible |
| Kauri-Butanol (KB) Number | 86 |
| Shelflife | 5 years |

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.

| <u>Material</u> | <u>Compatibility</u> |
|-----------------|----------------------|
| 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 |

ES897B 8 oz. BrushClean™ System
 ES197 1 Gal. (3.7 L) Liquid

ENVIRONMENTAL IMPACT DATA

| ENVIRONMENTAL IMPACT DATA | | | |
|----------------------------------|------|-----|------|
| CFC | 0.0% | VOC | 51% |
| HCFC-141b | 0.0% | HFC | 0.0% |
| HCFC-225 | 0.0% | nPB | 0.0% |

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

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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USAGE INSTRUCTIONS

For industrial use only.
 Read MSDS 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.

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401.**

AVAILABILITY

ES1697 12 oz. Aerosol

DISTRIBUTED BY: