

## Flux-Off Heavy Duty

**Product# ES1631, ES131**

### Product Description

Flux-Off Heavy Duty is an excellent cleaner for the removal of all rosin and no clean flux types from electronic subassemblies, printed circuit boards and all other electronic components. Flux-Off Heavy Duty will remove the toughest deposits of organic flux, soldering oils and organic handling oils. Flux-Off Heavy Duty will also effectively remove other contaminants such as dirt, grease, and molding compounds.

- Quickly removes all rosin and no clean flux types
- Removes encrusted, hard, baked fluxes
- Fast drying
- Powerful cleaner leaves no residue
- Nonabrasive on most surfaces
- Contains no CFCs or HCFCs
- Nonflammable
- Noncorrosive
- NSN# 6850-00-602-2347

### Typical Applications

Flux-Off Heavy Duty removes flux residues and cleans:

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



### Typical Product Data and Physical Properties

<b>Boiling Point:</b>	102°F / 39°C (Initial)	
<b>Solubility in Water:</b>	5% by weight	
<b>@ 77°F/1 atm</b>		
<b>Specific Gravity:</b>	1.32	
<b>(water = 1@ 77°F)</b>		
<b>Surface Tension:</b>	14.9	
<b>(dynes/cm @ 25°F)</b>		
<b>Flash Point (TCC):</b>	None	
<b>Evaporation Rate:</b>	>1	
<b>(butyl acetate =1)</b>		
<b>Appearance</b>	Clear, colorless liquid	
<b>Odor</b>	Ethereal	
<b>Kauri-Butanol (KB) Number</b>	120	
<b>Shelflife</b>	Aerosols	5 years
	Liquids	2 years after opening
<b>RoHS Compliant</b>	Yes	

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### Compatibility

Flux-Off Heavy Duty is generally compatible with most materials used in printed circuit board fabrication, except acrylics, ABS Resins, Polycarbonates, Polystyrenes, and other resins. With any cleaning agent compatibility must be determined on a non-critical area prior to use.

Material	Compatibility
Buna-N	Not Recommended
Graphite	Good
HDPE	Good
Kynar	Poor
LDPE	Good
Lexan	Not Recommended
Neoprene	Poor
Noryl	Poor
Cross-Linked PE	Good
Polyacrylate	Not Recommended
Polystyrene	Not Recommended
PVC	Poor
Silicone Rubber	Not Recommended
Teflon	Good
Viton	Poor

### Usage Instructions

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

Spray 4-6 inches from surface to clean. Wash parts from top to bottom, allowing the liquid to flush away flux residue. For optimum performance and pin point control, Flux-Off Heavy Duty should be used with the attached extension tube.

### Availability

ES1631 12 oz. / 340 g Aerosol

ES131 1 Gal. / 3.7 L Liquid

### 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.