

# CHEMTRONICS<sup>®</sup>

## Technical Data Sheet

**TDS # 1631**

### Flux-Off<sup>®</sup> Heavy Duty

#### PRODUCT DESCRIPTION

Flux-Off<sup>®</sup> 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<sup>®</sup> Heavy Duty will remove the toughest deposits of organic flux, soldering oils and organic handling oils. Flux-Off<sup>®</sup> 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

#### TYPICAL APPLICATIONS

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

#### COMPATIBILITY

Flux-Off<sup>®</sup> 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.

<u>Material</u>	<u>Compatibility</u>
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

**AVAILABILITY**

ES1631 12 oz. Aerosol  
 ES831B 5 oz. Brush Clean System  
 ES131 1 Gallon Liquid  
 ES531 5 Gallon Liquid

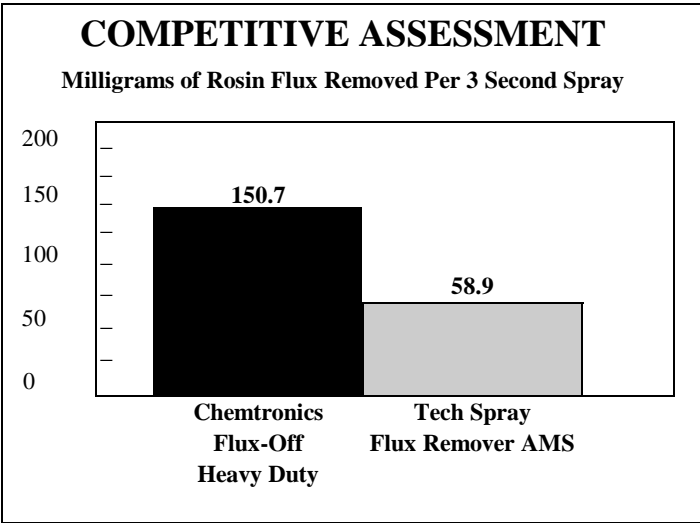
**TECHNICAL & APPLICATION ASSISTANCE**

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

**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 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.

**DISTRIBUTED BY:**