CHEMTRONICS
Technical Data Sheet

TDS # 1631

Flux-Off® Heavy Duty

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 removethe 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

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

NOTE: As with all vapor degreaser equipment and processes, observe all safety precautions, guidelines and operating rules associated with these units. Failure to do so may put operations personnel at risk. Avoid excessive vapor losses, loss of refrigeration, excessive boil sump heat, etc. Make sure all equipment is operated in accordance with the manufacturer's guidelines and instructions. If in doubt, contact your manufacturer immediately.

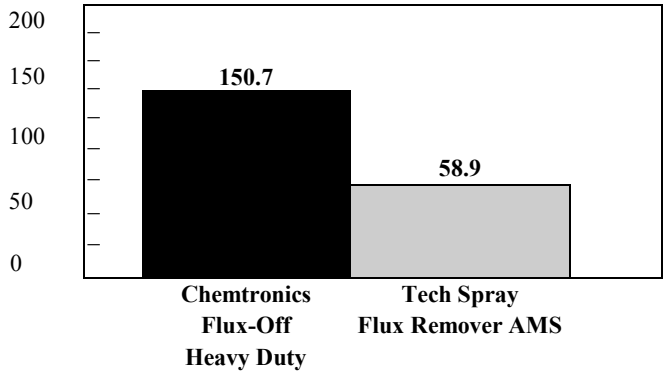
COMPATIBILITY

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

COMPETITIVE ASSESSMENT

Milligrams of Rosin Flux Removed Per 3 Second Spray



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.

AVAILABILITY

ES1631 12 oz. Aerosol
ES131 1 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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