

# CHEMTRONICS

## Technical Data Sheet

TDS # DEL1692

### Flux-Off<sup>®</sup> Delta Flux Remover

#### PRODUCT DESCRIPTION

Flux-Off<sup>®</sup> Delta Flux Remover is a powerful, nonflammable solvent that removes heavily encrusted and oxidized flux deposits. This product, available as a high pressure aerosol or bulk liquid, penetrates residues quickly to remove all types of flux, production contaminants, oxide particles, dust, grease and oil, then evaporates quickly leaving no residues.


- Powerful cleaning agent
- Non-corrosive, safe for metals
- Nonflammable and fast drying
- Powerful cleaner removes R, RA, RMA, and synthetic fluxes
- Removes encrusted fluxes
- Penetrates to clean hard to reach areas
- Contains no ozone depleting compounds
- All-Way Spray valve - even sprays upside down
- Available with BrushClean<sup>™</sup> System

#### TYPICAL APPLICATIONS

Flux-Off<sup>®</sup> Delta Flux Remover effectively cleans flux from:

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

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Boiling Point</b>	98.6°F Initial	
<b>Evaporation Rate (butyl acetate=1)</b>	>1	
<b>Flash Point (TCC)</b>	None	
<b>Specific Gravity</b>	1.24	
<b>Vapor Pressure @68°F</b>	205 mm Hg	
<b>Appearance</b>	Clear, Colorless Liquid	
<b>Odor</b>	Ethereal	
<b>Solubility in Water</b>	Negligible	
<b>Kauri-Butanol (KB) Number</b>	70	
<b>Surface Tension (dynes/cm @ 73°F)</b>	19	
<b>VOC* Content:</b>	<u>Aerosol</u>	<u>Liquid</u>
CARB	75%	100 %
SCAQMD	484 g/L	645 g/L
Federal	39%	52 %
<b>RoHS Compliant</b>		
<b>Shelflife</b>	Aerosols	5 years
	Liquids	2 years after opening

#### COMPATIBILITY

Flux-Off<sup>®</sup> Delta is generally compatible with most materials used in the electrical and electronic assemblies, except acrylics, ABS resins, Polycarbonates and Polystyrenes. With any cleaning agent solvent/component compatibility must be determined on a non-critical area prior to use.

<u>Material</u>	<u>Compatibility</u>
ABS	Non-Compatible
Buna-N	Fair
EPDM	Fair
Graphite	Excellent
HDPE	Excellent
LDPE	Good
Lexan™	Fair
Neoprene	Fair
Noryl®	Poor
Nylon™ 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Non-Compatible
PVC	Excellent
Silicone Rubber	Poor
Teflon™	Excellent
Viton™	Fair

## 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.**

## ENVIRONMENTAL IMPACT DATA

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HCFC-141b	0.0%	HFC	23.0%
HCFC-225	0.0%	nPB	0.0%

HCFC-225, HCFC-141b, HFC, and nPB percentages shown are the content by weight. HCFC-225, HCFC-141b, HFC, and nPB percentages shown are the content by weight. Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b is no longer produced in the US under this legislation. HCFC-225 is phased out for production as of 2015. Hydrofluorocarbons (HFCs) are not currently regulated.

Performance	
<b>Rosin Flux removal per gram solvent (mg) / 3 second spray</b>	
Flux-Off Delta	<b>8.3</b>
Competitive AK225 flux remover	<b>7.0</b>

### 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.

## 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® Delta may be used to remove all types of fluxes in an ultrasonic cleaner.

## AVAILABILITY

DEL1692	12 oz. Aerosol
DEL892B	6 oz. Brush Clean System
DEL192	1 Gal. Liquid
DEL592	5 Gal. Liquid
DEL5592	53 Gal. Liquid

## CHEMTRONICS

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REV. A (01/15)

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