

# CHEMTRONICS<sup>®</sup>

## Technical Data Sheet

**TDS #**  
**ES1035E**

### Flux-Off<sup>®</sup> Rosin

#### PRODUCT DESCRIPTION

Flux-Off<sup>®</sup> Rosin is a fast drying aerosol that quickly and completely removes R, RMA, RA, and synthetic flux residue. With its low surface tension and superior wetting properties, Flux-Off<sup>®</sup> Rosin removes harmful residues in tight tolerance areas.

- Removes R, RMA, RA, and synthetic flux residues
- Penetrates hard to reach areas
- Evaporates quickly
- Leaves no residue
- Removes oil, grease, ionic and non-ionic residues
- Has low odor
- Non-corrosive formulation
- Contains no CFCs or HCFCs
- Contains no 1,1,1 Trichloroethane

#### TYPICAL APPLICATIONS

Flux-Off<sup>®</sup> Rosin removes flux residues and cleans:

- Chip Carriers
- Heat Sinks
- Plugs
- Printed Circuit Boards
- Relays
- Sockets
- Surface Mount Device Pads
- Switches

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Boiling Point</b>	141°F Initial
<b>Vapor Density (air=1)</b>	>1
<b>Solubility in Water</b>	20%
<b>Specific Gravity (water = 1@77°F)</b>	0.70
<b>Evaporation Rate (butyl acetate=1)</b>	>1
<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Ethereal
<b>Surface Tension (dynes/cm @21.6°C)</b>	17.3
<b>Flash Point (TCC)</b>	-20.0°F
<b>Kauri-Butanol (KB) Number</b>	50
<b>Shelflife</b>	Aerosols 5 years Liquids 2 years after opening

#### COMPATIBILITY

Flux-Off<sup>®</sup> Rosin is generally compatible with most materials used in the electronics industry. With any cleaning agent compatibility solvent/component must be determined on a non-critical area prior to use.

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

<b>Performance</b>	
<b>Product Required for Rosin Removal (mg solvent/ 1 mg rosin flux)</b>	
Flux-Off Rosin	<b>101</b>
Conventional Flux Remover	<b>3673</b>
<b>Rosin Removal Rate (mg / in<sup>2</sup> sec.)</b>	
Flux-Off Rosin	<b>4.0</b>
Conventional Flux Remover	<b>0.3</b>

## 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 dirt and dissolved grease. For precise application use attached extension tube. Product is Extremely Flammable - Do not use near sources of ignition and energized equipment.

## AVAILABILITY

ES835BE 200 ml  
ES1035E 400ml Aerosol

## 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

<b>ENVIRONMENTAL IMPACT DATA</b>			
CFC	0.0%	VOC	95.7%
HCFC	0.0%	HFC	0.0%
CL Solv.	0.0%	ODP	0.0

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

**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.

## MANUFACTURED BY:

ITW CHEMTRONICS

8125 COBB CENTER DRIVE

KENNESAW, GA 30152

1-770-424-4888

REV. E (03/01)

## DISTRIBUTED BY: