

# CHEMTRONICS®

## Technical Data Sheet

### Flux-Off® Water Soluble

#### PRODUCT DESCRIPTION

Flux-Off® Water Soluble is a proprietary blend of powerful cleaning solvents designed to replace TMS based solvents. This defluxing agent removes R, RMA, RA, and synthetic flux residues, as well as ionic and non-ionic soils.

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

#### TYPICAL APPLICATIONS

Flux-Off® Water Soluble 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>	180°F Initial
<b>Vapor Density (air=1)</b>	>1
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity (water = 1 @ 77°F)</b>	0.79
<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>	21.1
<b>Flash Point (TCC) Flammable</b>	70°F
<b>Kauri-Butanol (KB) Number</b>	80
<b>Shelflife</b>	Aerosols 5 years Liquids 2 years after opening

#### COMPATIBILITY

Flux-Off® Water Soluble is generally compatible with most materials used in the electronics industry. As 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	Good
Buna-N	Good
EPDM	Good
Graphite	Excellent
HDPE	Excellent
LDPE	Excellent
Lexan™	Good
Neoprene	Good
Noryl®	Excellent
Nylon™ 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Good
PVC	Excellent
Silicone Rubber	Good
Teflon™	Excellent
Viton™	Excellent

<b>Performance</b>	
<b>Product Required for Rosin Removal</b>	
	(mg solvent/ 1 mg rosin flux)
Flux-Off Water Soluble	<b>71.0</b>
Conventional TF Solvent Blends	<b>277.0</b>
<b>Rosin Remval Rate (mg / in^2 sec.)</b>	
Flux-Off Water Soluble	<b>3.69</b>
Conventional TF Solvent Blends	<b>1.23</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**

ES1530 14.0 oz. Aerosol  
 ES130 1 Gal. Liquid  
 ES830BE 6 oz. Brush Clean System - Europe

**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	100%
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:**

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