Flux-Off Rosin Flux Remover

Product# ES1035, ES1035B, ES835B, ES135, ES535, ES5535

Product Description

The Flux-Off Rosin formulation 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 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

Typical Applications

Flux-Off 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

Boiling Point:		141°F / 61ºC (Initial)
Solubility in Water:		20%
Specific Gravity: (water = 1@77°F)		0.70
Surface Tension: (dynes/cm @ 21.6°F)		17.3
Flash Point (TCC):		-20ºF / -29ºC
Evaporation Rate: (butyl acetate =1)		>1
VOC* Content:	Aerosol	Liquid
CARB	75%	100%
SCAQMD	603g/L	720g/L
Federal	75%	100%
Kauri-Butanol (KB) Number	50	
Shelflife	Aerosols	5 years
	Liquids	2 years after opening
RoHS Compliant		Yes

*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

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Compatibility

Flux-Off 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.

Material	Compatibility
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	Not Recommended
PVC	Good
Silicone Rubber	Not Recommended
Teflon	Excellent
Viton	Excellent

Performance

Product Required for Rosin Removal *(mg solvent used to remove 1 mg rosin flux)*

Flux-Off Rosin	101
Conventional Flux Remover	3673

Rosin Removal Rate *(mg / in^2 sec.)*

Flux-Off Rosin	4.0
Conventional Flux Remover	0.3

Usage Instructions

For industrial use only. Read SDS 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 Flammable - Do not use near sources of ignition and energized equipment.

Availability

ES1035	10 oz. / 283 g Aerosol
ES1035B	10 oz. / 298 g BrushClean Aerosol
ES835B	5 oz. / 141 g BrushClean Aerosol
ES135	1 gal. / 3.7 L Liquid
ES535	5 gal. / 18.5 L Liquid
ES5535	55 Gal. / 208 L Liquid

Environmental Impact Data

HCFC-141b	None
HCFC-225	None
HFC	Aerosol - Yes
nPB	0.0

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 planned for production phase-out in 2015. Hydrofluorocarbons (HFCs) are not currently regulated.
EPA has listed n-propyl bromide (nPB) as an acceptable alternative to ozone depleting substances in metal, precision, and electronics cleaning under Section 612 of the Clean Air Act.

Technical and 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.