

Flux-Off Aqueous

Product# ES132

Product Description

Flux-Off Aqueous is an extra-strength water based cleaner for flux removal in ultrasonic cleaning systems. It 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. This concentrated formula can be diluted 1:10 with deionized water for handling all cleaning applications. Flux-Off Aqueous will effectively remove other contaminants such as dirt, grease, handling soils and molding compounds.

- For use with ultrasonic cleaning systems
- Quickly removes all rosin and no clean flux types
- Removes encrusted, hard, baked fluxes
- Powerful cleaner leaves no residue
- Contains no CFCs or HCFCs
- Nonabrasive and noncorrosive
- Nonflammable
- RoHS compliant

Typical Applications

Flux-Off® Aqueous removes flux residues and cleans:

- Chip Carriers
- Heat Sinks
- Metal Housings and Chassis
- Motors and Generators
- Printed Circuit Boards
- Surface Mount Device Pads



Typical Product Data and Physical Properties

Boiling Point:	212°F / 100°C (Initial)
Solubility in Water:	100%
Specific Gravity:	1.03
Appearance:	Clear, Amber Liquid
Odor:	Mild
Surface Tension: (dynes/cm @ 73°F)	28.0
Flash Point (TCC):	None
Evaporation Rate (butyl acetate =1)	>1 (similar to water)
pH	12.5
VOC* Content:	16%
CARB and Federal Rule	165 g/L concentrate
SCAQMD Rule 1122	17 g/L 1:10 dilution
Shelflife	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 Aqueous is generally compatible with most materials used in printed circuit board fabrication. With any cleaning agent compatibility must be determined on a non-critical area prior to use.

Material	Compatibility
ABS Resin	Excellent
Buna-N	Fair
Butyl	Excellent
EPDM	Excellent
Graphite	Excellent
HDPE	Excellent
Kynar™	Excellent
LDPE	Excellent
Lexan™	Excellent
Neoprene	Good
Noryl®	Good
Nylon 101	Good
Cross-Linked PE	Good
Polyacrylate	Fair
Polypropylene	Good
Polystyrene	Good
PVC	Fair
Silicone Rubber	Good
Teflon	Excellent
Viton	Good

Usage Instructions

For industrial use only. Read SDS carefully prior to use.

Dilute 1:10 with deionized water for general cleaning. Can be used in hot or cold immersion or ultrasonic cleaning systems. For immersion systems, soak as necessary. For ultrasonic cleaning, add Flux-Off® Aqueous to the ultrasonic cleaning tank, allow about two minutes for the mixture to degas, and immerse the part to be cleaned in the ultrasonic cleaner. After cleaning, rinse parts thoroughly in de-ionized water and dry where required.

Availability

ES132 1 gal. / 3.7 L Liquid

Environmental Impact Data

HCFC-141b	None
HCFC-225	None
HFC	None
nPB	None

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.