

## Flux-Off VZ Flux Remover

**Product# ES6200, ES6201, ES6255**

### Product Description

Flux-Off VZ Flux Remover is a highly effective cleaner for removing rosin-based fluxes from electronic components and assemblies. The non-ozone depleting Verizane solvent system utilizes Vertrel Specialty Fluid from Dupont to quickly removes flux without harming sensitive materials.

- Quickly removes all rosin-based flux residues
- Excellent material compatibility
- Evaporates quickly
- Leaves no residues
- Has low odor
- Penetrates tight tolerance areas
- Also removes oil, grease, and ionic residues
- Contains no CFCs, HCFCs or
- 1,1,1 Trichloroethane

### Typical Applications

Flux-Off VZ Flux Remover eliminates flux residues and cleans:

- Through-hole Circuit Boards
- Surface Mount Pads
- Chip Carriers
- Ball Grid Arrays
- Switches
- SMT Components
- Metal or Plastic Housings



### Typical Product Data and Physical Properties

<b>Boiling Point:</b>	95°F / 35°C
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity:</b> (water =1@77°F)	1.24
<b>Surface Tension:</b> (dynes/cm @ 25°C)	14.0
<b>Flash Point (TCC):</b>	None
<b>Evaporation Rate:</b> (butyl acetate =1)	>1
<b>Appearance</b>	Clear, colorless liquid
<b>Odor</b>	Ethereal
<b>VOC* Content (Aerosol)</b>	
CARB	50%
SCAQMD	444g/L
Federal	25%
<b>Kauri-Butanol (KB) Number</b>	32
<b>Shelflife</b>	5 years
<b>RoHS Compliant</b>	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).

## Flux-Off VZ Flux Remover

**Product# ES6200, ES6201, ES6255**

### Compatibility

Flux-Off® VZ Flux Remover 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	Good
Graphite	Good
HDPE	Good
Kynar	Good
LDPE	Good
Lexan	Poor
Neoprene	Good
Noryl	Good
Nylon 66	Good
Cross-Linked PE	Good
Polypropylene	Good
Polystyrene	Poor
Silicone Rubber	Good
Teflon	Good
Viton	Good

### Competitive Assessment

**Milligrams of Flux Removed Per Gram of Solvent**

Flux-Off VZ	6.6
Competitors HFC-Based Product	58.9

### Usage Instructions

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

Spray 4-6 inches from surface to clean. Wash parts from top to bottom, allowing the liquid to flush away flux residues, dirt and dissolved oil. For precision application use attached extension tube.

### Availability

<b>ES6200</b>	12 oz. / 340 g Aerosol
<b>ES6201</b>	1 Gal. / 3.7 L Liquid
<b>ES6255</b>	53 Gal. / 200 L Liquid

### Environmental Impact Data

HCFC-141b	None
HCFC-225	None
HFC	Yes
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.