

# CHEMTRONICS®

## Technical Data Sheet

**TDS # 7200**

### Flux-Off® CZ Flux Remover

#### PRODUCT DESCRIPTION

Flux-Off® CZ Flux Remover is a highly effective cleaner for removing rosin-based fluxes from electronic components and assemblies. Utilizing Cirozane™, which is based on new **HFE technology**, this nonflammable, non-ozone depleting aerosol 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® CZ 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>                         | 90°F (Initial)                                                                        |
| <b>Specific Gravity</b><br>(water = 1@ 77°F) | 1.50                                                                                  |
| <b>Flash Point (TCC)</b>                     | None to Boiling                                                                       |
| <b>Evaporation Rate</b><br>(Butyl acetate=1) | >1                                                                                    |
| <b>Kauri-Butanol</b><br>(KB) Number          | 36                                                                                    |
| <b>Appearance</b>                            | Clear, colorless liquid                                                               |
| <b>Odor</b>                                  | Ethereal Odor                                                                         |
| <b>Surface Tension</b><br>(dynes/cm @ 25°C)  | 12.2                                                                                  |
| <b>Solubility in Water</b>                   | Negligible                                                                            |
| <b>Dielectric Breakdown</b><br>(ASTM D-877)  | 7 kV                                                                                  |
| <b>Shelflife</b>                             | Aerosols 5 years<br>Liquids 2 years after opening                                     |
| <b>RoHS/WEEE</b><br>Status                   |  |

#### COMPATIBILITY

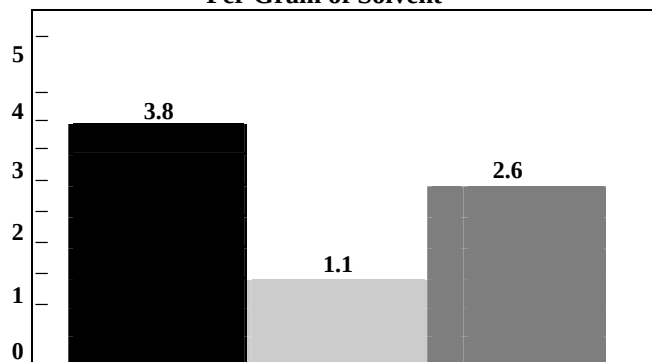
Flux-Off® CZ Flux Remover is generally compatible with most materials used in the electronics industry. With any cleaning agent compatibility solvent/component must be determined on a non-critical area prior to use.

**Material****Compatibility**

|                 |           |
|-----------------|-----------|
| ABS             | Excellent |
| Buna-N          | Excellent |
| EPDM            | Excellent |
| Graphite        | Excellent |
| HDPE            | Excellent |
| Kynar™          | Excellent |
| LDPE            | Excellent |
| Lexan™          | Good      |
| Neoprene        | Excellent |
| Noryl           | Excellent |
| Nylon™ 66       | Excellent |
| Cross-Linked PE | Excellent |
| Polypropylene   | Excellent |
| Polystyrene     | Good      |
| PVC             | Excellent |
| Silicone Rubber | Excellent |
| Teflon™         | Excellent |
| Viton™          | Excellent |

**COMPETITIVE ASSESSMENT**

Milligrams of Rosin Flux Removed  
Per Gram of Solvent



|                             |                 |          |
|-----------------------------|-----------------|----------|
| Flux-Off CZ<br>Flux Remover | CFC-113<br>(TF) | HCFC-225 |
|-----------------------------|-----------------|----------|

**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.

**AVAILABILITY**

|         |                          |
|---------|--------------------------|
| ES7200  | 12 oz. Aerosol           |
| ES7208B | 5 oz. Brush Clean System |
| ES7201  | 1 Gallon Liquid          |

**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.**

**USAGE INSTRUCTIONS**

For industrial use only.

Read MSDS 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 precise application use attached extension tube.

**MANUFACTURED BY:**

ITW CHEMTRONICS

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