

Description

The 836LFNC *Liquid Flux: Lead Free, No Clean* contains a homogenous mixture of halogen-free, low-solids organic flux. It exhibits excellent wetting and fluxing activities, and it leaves essentially no residue on the assembly after soldering. The 836LFNC flux may be used for both leaded and lead-free applications. A chiseled tip provides exact delivery of the flux to the surface.

Application & Usages

The 836LFNC is excellent for prototyping and rework/repair of printed circuit boards. It works well on switches, sockets, heat sinks, chip carriers, and surface mounted device pads.

Features and Benefits

- **Halogen-free**
- **Excellent wetting**
- **Bright, shiny solder joints**
- **Low residue**
- **Rosin/Resin free**
- **Compatible with lead-free & leaded solder systems**

Flux Paste Properties

<i>Flux Properties</i>	<i>Method</i>	<i>Value</i>
Flux Type Flux Activity Halides %(wt) Flux Classification Acid Number Copper Mirror Corrosion Test Spot Test—Fluorides Silver Chromate—Chlorides + Bromides Surface Insulation Resistance (SIR) Bellcore Compliant Cleaning Requirements	J-STD-004 IPC-TM-650 2.3.32 IPC-TM-650 2.6.15 IPC-TM-650 2.3.33 IPC-TM-650 2.6.3.3 —	Organic Low <0.05% ORLO 28–30 Pass (no complete breakthrough) Pass (non-corrosive) Pass (no color change) Pass (no discoloration) >1 × 10 ¹¹ Ω Yes None
<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Color Solids% Density Flash Point	Closed cup	Colorless 3.0%–3.6% 0.80 12 °C [53 °F]

Storage and Shelf Life

Store at around room temperature and protect from direct heat or sunlight.

<i>Properties</i>	<i>Value</i>
Shelf Life after DOM	2 y
Storage Temperature	18 to 27 °C [65 to 80 °F]

DOM = date of manufacture

Cleaning

If removal is desired, a solvent system like the *MG 4140* or *MG 413B* can be used. For best results, warm the cleaning solution to about 40 °C [104 °F].

Health and Safety

Please see the 836LFNC **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Application Instructions

Apply flux directly on the intended surface via dip, spray, or brush application.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Form</i>	<i>Net Volume</i>		<i>Net Weight</i>	
836-P 836LFNC-1L	Pen	10 mL	0.33 fl oz	8.0 g	0.25 oz
	Liquid	1 L	33 fl oz	800 g	1.7 lb

Suitable Flux Cleaners

- *Heavy Duty Flux Remover*: Cat. No. 413B-1L, 413B-4L, 413B-20L, 413B-425G
- *Flux Remover for PC Boards*: Cat. No. 4140-P, 4140-400G, 4140-1L, 4140-4L, 4140-20L



ISO 9001 Registered Quality System.
Burlington, Ontario, Canada QMI File # 004008

Liquid Flux: Lead Free, No Clean 836LFNC Technical Data Sheet

836LFNC-Liquid

Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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Disclaimer

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