

Description

The 836-P *No Clean Flux Pen* 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 836-P *No Clean Flux Pen* 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 836-P pen is designed to dispense flux precisely. It 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		Organic
Flux Activity		Low
Halides %(wt)		<0.05%
Flux Classification	J-STD-004	ORL0
Acid number		28-30
Copper Mirror	IPC-TM-650 2.3.32	Pass (no complete breakthrough)
Corrosion Test	IPC-TM-650 2.6.15	Pass (non-corrosive)
Spot Test—Fluorides		Pass (no color change)
Silver Chromate—Chlorides + Bromides	IPC-TM-650 2.3.33	Pass (no discoloration)
Surface insulation resistance (SIR) SIR, J-STD-004	IPC-TM-650 2.6.3.3	>1 × 10 ¹¹ Ω
Bellcore compliant		Yes
Cleaning requirements	—	None
<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Color		Colorless
Solids%		3.0%–3.6%
Density		0.80
Flash Point	Closed cup	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 836-P **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Application Instructions

Apply flux by direct dispensing via the pen.

Packaging and Supporting Products

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

No Clean Flux Pen 836-P Technical Data Sheet

836-Pen

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.

Email: support@mgchemicals.com

Phone: 1-800-340-0772 (Canada, Mexico & USA)
1-905-331-1396 (International)

Fax: 1-905-331-2862 or 1-800-340-0773

Mailing address: **Manufacturing & Support**
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Disclaimer

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. *M.G. Chemicals Ltd.* does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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