

Description

The 8341 *No Clean Flux Paste* is designed for lead free alloys, but it also works well with conventional leaded solders. This tacky flux uses a mix of rosin, thickener, and high-grade synthetically refined resin. The flux provides fast and widespread wetting during soldering and leaves non-conductive and non-tacky residues.

Applications & Usages

The 8341 flux is used for solder touch ups, repairs, or reworks of surface mount assemblies.

The 8341 is re-flowable in air or nitrogen. It can be used with profiles with peak maximum up to 270 °C and reflow times between 30 to 90 seconds.

Benefits and Features

- **Excellent wettability**
- **Clear, non-conductive, and non-tacky residues**
- **Usable for both lead free and leaded alloys**

ENVIRONMENT
RoHS Compliant

Usage Parameters

<i>Properties</i>	<i>Value</i>
Shelf Life	2 y

Temperature Ranges

<i>Properties</i>	<i>Value</i>
Storage Temperature Limits ^{a)}	18 to 27 °C [65 to 80 °F]

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

Flux Paste Properties

<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Flux Classification	J-STD-004	ROLO
Flux Type		Rosin
Flux Activity		Low
Halides %(wt)		<0.05%
Acid Value	IPC-TM-650 2.3.13	116 mg KOH/g of non-volatile
Copper Mirror	IPC-TM-650 2.3.32	No removal of copper film
Corrosion Test	IPC-TM-650 2.6.15	Non-corrosive
Silver Chromate	IPC-TM-650 2.3.33	Pass
Surface Insulation Resistance (SIR)		
SIR, J-STD-004	IPC-TM-650 2.6.3.3	$2.4 \times 10^{13} \Omega$
SIR, Bellcore (Telecordia)	Bellcore GR-78-CORE 13.1.3	$5.2 \times 10^{12} \Omega$
Electromigration	Bellcore GR-78-CORE 13.1.4	Pass
Cleaning requirements	—	None

Cleaning

The no-clean residue does not need to be removed for typical applications.

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 8341 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Environmental Impact:



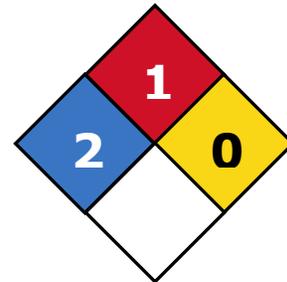
This product meets the European Directive 2011/65/EU Annex II (ROHS); recasting 2002/95/EC.

Health and Safety: Avoid breathing fumes. Wear protective eye protection/face protection. Wash hands thoroughly after use.

HMIS® RATING

HEALTH:	* 2
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

Application Instructions

Apply flux by brushing, dipping, or direct dispensing via the syringe.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaging Weight</i>	
8341-10ML	Syringe	10 mL	0.34 fl oz	10 g	0.36 oz	TBD	TBD

TBD = To be determined

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



No Clean Flux Paste 8341 Technical Data Sheet

ISO 9001:2008 Registered Quality System. Burlington, Ontario, CANADA SAI Global File: 004008

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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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Warranty

M.G. Chemicals Ltd. warranties this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

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