

Description

The 413B *Heavy Duty Flux Remover* is specially formulated to dissolve and remove the most stubborn, encrusted, hard, baked-on fluxes and residues left on parts after soldering. It penetrates quickly to remove non-ionic and ionic contaminants left on the non-component side of circuit boards. It can also work aggressively on isolated and hard to reach areas requiring spot cleaning. It is also offered in aerosol format.

Applications & Usages

It is great for removing rosin, non-rosin, no-clean fluxes, non-ionic and ionic contamination.

Benefits and Features

- **RoHS Compliant**
- **Quickly dissolves burnt on flux**
- **Fast dry time**
- **Zero residue**



Usage Parameters

<i>Properties</i>	<i>Value</i>
Shelf Life	5 y

Temperature Ranges

<i>Properties</i>	<i>Value</i>
Storage Temperature Limits ^{a)}	-20 to 40 °C [-4 to 104 °F]

a) Storage below zero is not necessary. Cool, dry, and well ventilated area recommended.

Properties

<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Odor	—	Ethereal
Color	Visual	Colorless
Specific gravity @25 °C [77 °F]	Literature	0.83 g/mL
Flash Point	Literature	-18 °C [-0.4 °F]
Boiling Point	Literature	≥56 °C [≥132 °F]
Auto-ignition	Literature	425 °C [797 °F]
Water miscibility	Literature	Partially soluble



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

Heavy Duty Flux Remover 413B Technical Data Sheet

413B-Liquid

Compatibility

It is generally compatible with plastics, seals, PCB components, paints, rubbers and plant fibers.

Health and Safety

Please see the 413B-Liquid **Safety Data Sheet** (SDS) for further details on transportation, storage, handling, safety guidelines, and regulatory compliance.

Application Instructions

For best results, follow the procedure below.

Consumer product VOC dilution requirements

Residential or institutional users in California and other states (IL, IN, MI, OH, CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT, VA, DC, UT) with Electronic Cleaners 75% VOC limits must dilute the product 3:1 with water or acetone prior to use.

To clean residues in liquid bath

1. Pour the flux remover into a tray.
2. Submerge the PC board while brushing the flux with a hog hair cleaning brush.
3. While the PC board is submerged, swish the flux remover to ensure the dissolved solids are rinsed off.
4. Rinse in deionized water and dry.

NOTE: It is recommended to test for cleanliness. This is to ensure that the board is clean enough for your application.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaged Weight</i>	
413B-425G	Aerosol	498 mL	16.8 fl oz	425 g	14.9 oz	5.4 kg ^{a)}	11.9 lb ^{a)}
413B-1L	Can	945 mL	31.9 fl oz	784 g	1.72 lb	5.4 kg ^{b)}	11.9 lb ^{b)}
413B-4L	Can	3.78 L	3.99 qt	3.13 kg	6.91 lb	3.6 kg	7.94 lb
413B-20L	Pail	18.9 L	5.0 gal	15.6 kg	34.5 lb	17.6 kg	38.8 lb

TBD = To be determined

a) Case pack of 10

b) Case pack of 5

Supporting Products

- *Acetone:* Cat. No. 434-1L, 434-4L
- *Hog Hair Cleaning Brush:* Cat. No. 852
- *Large Hog Hair Cleaning Brush:* Cat. No. 853



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413B-Liquid

Technical Support

Please contact us regarding any questions, suggestions for improvements, 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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