

Description

The 4140A-P *Flux Remover Pen* cleans post solder residues quickly and conveniently. Its plastic safe formula removes rosin, non-rosin, and no clean fluxes, as well as both ionic and non-ionic residues.

Applications & Usages

This product is used for spot cleaning flux while repairing or prototyping electronic circuits.

Benefits and Features

- **Safe on most plastics**
- **Moderate dry time**
- **Zero residue**

ENVIRONMENT

- ✓ RoHS
- ✓ CARB Category and Limits:
Electronic Cleaner 75%

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 and 40 °C [-4 and 104 °F]

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

Components

Name	CAS Number
ethanol	64-17-5
decamethylcyclotetrasiloxane	541-02-6
propan-2-ol	67-63-0
ethyl acetate	141-78-6
octamethylcyclotetrasiloxane	556-67-2

Properties

<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Odor	—	Alcohol-like
Color	Visual	Colorless
Specific Gravity @25 °C [77 °F]	—	0.83 g/mL
Flash Point	"	13 °C [55 °F]
Boiling Point	"	≥78 °C [≥172 °F]
Auto-ignition	"	363 °C [685 °F]
Viscosity @40 °C [104 °F]	ASTM D445	<20.5 mm ² /s
Water Miscibility	Literature	Partly miscible

Compatibility

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

Health, Safety, and Environmental Awareness

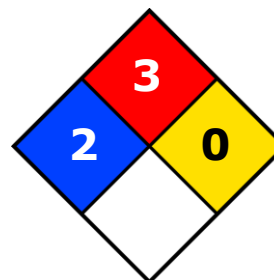
Please see the 4140A-P **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Environmental Impact: The 4140A-P has a high volatile organic content of 75% [416 g/L]. Avoid runoff into storm and sewer drains. This product is biodegradable.

HMIS® RATING

HEALTH:	* 2
FLAMMABILITY:	3
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)

Health and Safety: The 4140A-P is flammable and shouldn't be used in the presence of open flames or other ignition source. Avoid prolonged breathing of vapors and contact with material. Use with adequate ventilation.

Application Instructions

Follow the procedure below for best results.

To remove flux with pen

1. Shake pen vigorously
2. Hold pen at angle and depress tip against surface
3. Gently squeeze barrel onto the surface
4. Allow solvent to penetrate
5. Replace cap and store tip up after use

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaging Weight</i>	
4140A-P	Pen	11.5 mL	0.38 fl oz	9.55 g	0.33 oz	0.04 kg	0.09 lb
4140-400G	Aerosol	453 mL	15.3 fl oz	400 g	14.1 oz	4 kg ^{a)}	8.82 lb ^{a)}
4140-1L	Bottle	1 L	1.05 qt	791 g	1.74 lb	5.5 kg ^{b)}	12.2 lb ^{b)}
4140-4L	Jug	4 L	1.06 gal	3.16 kg	6.98 lb	3.63 kg	8.0 lb
4140-20L	Pail	20 L	5.34 gal	15.8 kg	34.8 lb	17.2 kg	38 lb

a) Case pack of 10

b) Case pack of 6

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

Flux Remover Pen 4140A-P Technical Data Sheet

4140A-Pen

Warranty

M.G. Chemicals Ltd. warrants 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.

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.