

Description

The 8339 *Rubber Keypad Repair Kit* easily and permanently repairs rubber keypads. The kit comes with a cyanoacrylate glue, primer pen, graphite conductive pen, and applicator swabs.

Applications & Usages

The 8339 effectively repairs worn contacts on rubber keypads, such as TV remotes, DVD players, stereos, home security, parking access, garage door opener, keyboards, game remotes, and much more.

Benefits and Features

- Restores electrical conductivity to worn carbon contacts
- Repairs over 200 rubber button contacts
- Will work over 500 000 keystrokes under normal using conditions

ENVIRONMENT
RoHS Compliant

Usage Parameters

<i>Properties</i>	<i>Value</i>
Drying Time @22 °C [72 °F] ^{a)}	24 h
Shelf Life	2 y

a) Drying time for the 839 Graphite Pen.

Temperature Ranges

<i>Properties</i>	<i>Value</i>
Storage Temperature Limits ^{b)}	-5 to 40 °C [23 to 104 °F]

b) The product must stay within the storage temperature limits stated.

Principal Components

Name		CAS Number
Graphite Pen:	Graphite	7782-42-5
	Carbon Black	1333-86-4
	Toluene	108-88-3
	Acetone	67-64-1
Poly Prep Primer:	Heptane	142-82-5
	Super Glue:	Ethyl-2-cyanoacrylate

Properties of Cured 839 Graphite Pen

<i>Electrical Properties</i>	<i>Method</i>	<i>Value</i>	
Surface Resistance		<i>Resistance</i> ^{a)}	<i>Conductance</i> ^{a)}
1 coat @ 1.0 mil	Square probe	47 Ω/sq	0.021 S
2 coats @ 2.0 mil	"	28 Ω/sq	0.036 S
3 coats @ 3.0 mil	"	16 Ω/sq	0.063 S
4 coats @ 4.0 mil	"	13 Ω/sq	0.077 S

a) Surface resistance is given in Ω/sq and the corresponding conductance in Siemens (S or Ω⁻¹)

Properties of Uncured 839 Graphite Pen

<i>Physical Property</i>	<i>Mixture</i>
Color	Black
Odor	Ethereal
Density @25 °C [77 °F]	0.98 g/mL
Solids Percentage (wt/wt)	~30%
Viscosity @25 °C [77 °F]	<20.5 mm ² /s

Storage

Store between -5 and 40 °C [23 and 104 °F] in dry area.

Health, Safety, and Environmental Awareness

Please see the 839-P Graphite Pen, 8339-B Poly Prep Primer, and 8333 Super Glue **Safety Data Sheets** (SDSs) for greater details on transportation, storage, handling and other security guidelines.

Environmental Impact: The VOC (Volatile Organic Compound) content for the 839-P is 52% (516 g/L) by EPA and WHMIS standards.

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



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

Rubber Keypad Repair Kit 8339 Technical Data Sheet

8339-Kit

Application Instructions

Follow the procedure below for best results.

To apply the coating

1. Apply the Poly Prep Primer directly onto contact surface to be repaired. To dispense, gently squeeze pen barrel and depress tip lightly on contact. Allow primer to fully evaporate.
2. Dispense Super Glue onto a swab and apply a thin coat over the contact. Allow glue to fully dry (1-2 minutes).
3. Shake the Graphite Pen vigorously. Gently squeeze pen barrel and depress tip lightly onto a smooth surface to dispense a small amount (DO NOT apply directly to contact).
4. Using an applicator swab, saturate the tip with the dispensed coating.
5. Apply a very thin coat of graphite coating over the contact to be repaired.
6. Let contact dry for at least 24 hours before use.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Weight</i>		<i>Packaging Weight</i>	
8339	Kit	10.5 g	0.37 oz	0.1 kg	0.22 lb

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. 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

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