

Rubber Keypad Repair Kit



8339

This easy to use kit permanently repairs rubber keypads. Kit comes with everything you will need: stir sticks, applicator swabs, contact cleaner, primer prep, and a conductive coating.

Features / Benefits

- Restores electrical conductivity to worn carbon contacts
- Formulated with pure silver for maximum conductivity
- Repairs over 200 rubber button contact
- Guaranteed to work over 500,000 keystrokes under normal using conditions
- Reusable

Typical Applications

- Remotes for TVs, DVD players, stereos, etc
- Home security keypad
- Parking access keypad
- Garage door opener
- Keyboards, game remotes, etc...

Specifications

Tack free time	5 minutes
Full Cure	24 hours

Available Sizes

Catalog Number	Description
8339	Kit

Material Safety Data Sheet

Section 1: Product Identification

MSDS Code: 8339A**Name: Conductive Coating****Related Part Numbers: 8339****Related Part Name: Rubber Keypad Repair Kit**

Use: For repairing keypads on remote controls.

Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
7440-22-4	Silver	27 - 32	1mg/m ³	1mg/m ³	N/e
108-88-3	Toluene	14 - 22	50ppm	100ppm	150ppm
67-64-1	2-propanone	7 - 13	750ppm	1000ppm	1000ppm
123-86-4	n-butyl acetate	48 - 53	150ppm	150ppm	200ppm
64-17-5	Ethyl alcohol	5 - 10	200ppm	200ppm	250ppm
141-78-6	Ethyl acetate	2 - 7	400ppm	400ppm	N/e
110-43-0	2-heptanone	2 - 7	50ppm	100ppm	N/e
110-19-0	2-methylpropyl ester acetic acid	2 - 7	150ppm	150ppm	N/e
67-63-0	2-propanol	0.1 - 1	400ppm	400ppm	500ppm
108-65-6	1-methoxy-2 propanone acetate	0.1 - 1	N/e	N/e	N/e

Section 3: Hazards Identification

WHMIS Codes: B2, D2A**NFPA Ratings:** Health 1 Flammability 3 Reactivity 0**HMIS Ratings:** Health 1 Flammability 3 Reactivity 0**Eyes:** Liquid in contact with eyes may cause permanent eye damage.**Skin:** May cause skin irritation and possible pain and stinging if the skin is abraded.**Inhalation:** Solvents may cause respiratory tract irritation, headache, and possible dizziness.**Ingestion:** May cause respiratory and digestive tract irritation.**Chronic:** Prolonged and repeated exposure may cause dermatitis, defatting of the skin, liver and kidney damage, and adverse central nervous system effects.

Section 4: First Aid Measure

Eyes: Remove contact lenses. Flush with water or saline for 20 minutes. Get medical aid.**Skin:** Wash skin with large amounts of soap and water. Get medical aid if symptoms persist.

Inhalation: Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Ingestion: Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

Section 5: Fire Fighting Measures

Autoignition Temperature: 465°C **Flash Point:** -18°C **LEL / UEL:** 1 / 36
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.
General Information: Will burn if involved in a fire. Flash back along vapor trail is possible.

Section 6: Accidental Release Measures

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances. Keep from freezing.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.

Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Odor:	Ethereal	Solubility:	Partial	Evaporation Rate:	Fast		
Boiling Point:	59°C	Specific Gravity:	1.14	Vapor Pressure:	1PSI @21°C	Vapor Density:	4.1 (Air=1)	pH:	N/a

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.

Conditions to avoid: Temperatures over 40°C, ignition sources, and incompatible substances.

Incompatibilities: Alkali and alkaline earth metals, powdered aluminum, zinc, magnesium, and beryllium, lithium aluminum hydride, potassium tert-butoxide, nitrates, strong acids, strong oxidizers, chlorosulphonic acid, hydrogen peroxide.

Polymerization: Will not occur.

Decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure)	Prolonged or repeated skin contact may cause dermatitis.		
Carcinogenicity: (risk of cancer)	No		
Teratogenicity: (risk of malformation in an unborn fetus)	This product contains xylene, a known embryo toxin. Pregnant women must avoid all contact with this product.		
Reproductive Toxicity: (risk of sterility)	Toluene is listed under California Proposition 65 under chemicals known to cause reproductive toxicity.		
Mutagenicity: (risk of heritable genetic effects)	No		
Lethal Exposure Concentrations:	Ingestion (LD50): 7400 mg/kg (rat)	Inhalation (LC50): 16000 ppm/4h (rat)	Skin (LD50): N/e

Section 12: Ecological Information

General Information: Avoid runoff into storms and sewers, which lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data: (percentage by weight)

CFC: 0 **HFC:** **Cl.Solv:** 0 **VOC:** 70 **HCFC:** 0 **ODP:** 0

Section 13: Disposal Information

General Information: Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

Section 14: Transportation Information

This product is only to be shipped within the MG Chemicals Conductive Keypad Repair Kit, part number 8339

Ground:

Consumer commodity / ORM-D

Air:

Shipper must be trained and certified. Refer to IATA Dangerous Goods Regulations. Ship as "Dangerous goods in excepted quantities", Class 3, PG II

Sea:

Refer to IMDG regulations. Shipping name: Limited quantity (paint), UN 1263, Class 3, PG II, Flash point -18°C, Storage category "A".

Section 15: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

RoHS (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

The product contains the following chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372: Silver CAS# 7440-22-4 (27-32%) and 2-Propanol CAS# 67-63-0 (0.1-1%)

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

The product contains the following chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372: Silver CAS# 7440-22-4 (27-32%) and 2-Propanol CAS# 67-63-0 (0.1-1%)

TSCA (Toxic Substances Control Act of 1976, USA)