

Material Safety Data Sheet

(12640-01)

Section 1: Chemical Product and Company Identification

Product Name: Gold Epoxy Paste GE-10

Catalog Number: 12640-01

CAS#: see Section 3

Contact Information:

Electron Microscopy Sciences

1560 Industry Road

Hatfield, PA 19440

1-215-412-8400 (phone)

1-800-523-5874 (toll-free)

1-215-412-8450 (fax)

Order Online: emsdiasum.com

CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300

Section 2: Composition and Information on Ingredients

This material is silicone rubber which contains calcium carbonate as an ingredient. The specific chemical identity of the ingredients of this formulation is considered a trade secret.

Material	CAS#	Weight %	TLV
DGEBA	25085-99-8	5-10	
Gold	7440-57-5	85-90	0.1 ppm
Dicyandiamide	461-58-5	1-5	
Boron Trifluoride-Monoethylamine	75-23-0	1-5	
Total		100	

Section 3: Hazards Identification

Oxidizing liquids: Not classified

Corrosive to Metals: Not classified

Acute Toxicity Oral: Not classified

Acute Toxicity Dermal: Not classified

Acute Toxicity Inhalation: Not classified

Skin corrosion/skin irritation: Not classified

Serious eye damage/eye irritation: Not classified

Respiratory or skin sensitization: Not classified

Special target organ systemic toxicity single exposure: Not classified

Special target organ systemic toxicity repeated exposure: Not classified

Acute aquatic environmental hazards: Not classified

Chronic aquatic environmental hazards: Not classified

Carcinogenicity: Not classified

Pictograms or Hazard symbols

Wear protective gloves

Wash hands thoroughly after handling

Avoid release to the environment

Section 4: First Aid Measures

Effects of Overexposure

First Aid:

Eye Contact: Mild irritant to the naked eye. Flush eyes with water for at least 15 minutes. Seek medical attention.

Skin Contact: Mild irritant to exposed skin. Wash thoroughly with soap and water.

Inhalation: N/A

Ingestion: Not expected in industrial use.

Section 5: Fire and Explosion Data

Flash Point and Method: non-flammable

Autoignition Temperature: N/A

Flammability Limits in Air

Lower: N/A

Upper: N/A

Extinguishing Media: Carbon dioxide, dry chemical, fog, or foam. A solid stream of water directed into hot burning liquid could cause frothing.

Special fire fighting procedures: Not considered a fire hazard. When involved in a fire, does not contribute any unusual hazards. In any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Hazardous Decomposition Products: carbon monoxide, carbon dioxide, phenolic compounds

Section 6: Accidental Release Measures

Spill Leaks: Absorb spill with sand or Fuller's earth. Sweep up and place in an appropriate chemical waste container. Observe all local, state and federal laws and regulations regarding disposal, spill cleanup, removal, or discharge. Do not re-use empty containers.

Section 7: Handling and Storage

Wash thoroughly after handling. Keep container closed tightly in a refrigerator or freezer below 15°C. Do not store with food.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection: Not required

Ventilation: Not required

Protective gloves: Skin contact should be minimized through use of impermeable gloves.

Other Protective equipment: Goggles, apron

Section 9: Physical and Chemical Properties

Form: Paste
Appearance: Silver
Odor: Aromatic
pH: Not available
Melting Point: Not available
Boiling Point/Boiling Range: Not available
Flash Point: Non-flammable
Ignition Point: will not ignite
Danger of explosion: Product is not explosive
Decomposition temperature: Not available
Vapor density (Air 1): Not available
Volatiles, %: 1-3
Vapor pressure at 15°C, mm Hg: Not available
Specific gravity: approx. 2
Solubility in/Miscibility: Negligibility
Evap. Rate (Water – 1): Not available

Section 10: Stability and Reactivity Data

Stability

Stable: X
Unstable:

Conditions to Avoid: Excess heat

Section 11: Toxicological Information

No toxicological information established for this material.

Section 12: Ecological Information

This material does not present a hazard to the environment.

Section 13: Disposal Considerations

Disposal: Dispose of in accordance with all federal, state and local regulations. Send waste to an approved waste disposal facility.

Section 14: Transport Information

Non-hazardous/not regulated.

Section 15: Other Regulatory Information

This material does not contact any substances on the list of Toxic Chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III).

Section 16: Other Information:

Last Updated: 9/27/11

Date Verified and Printed: 9/27/11

NFPA Codes:

Health: 1

Flammability: 1

Reactivity: 0

WHMIS Codes:

Health: 2

Flammability: 0

Reactivity: 0

All ingredients of this product are listed on the US TSCA inventory under their parent anhydrous compounds.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Electron Microscopy Sciences be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Electron Microscopy Sciences has been advised of the possibility of such damages.