



TEMCO

MATERIAL SAFETY DATA SHEET

HAZARD IDENTITY

DATE 12/18/09
 REV 9
 MDS NUMBER COMMSBC
 COMPILED BY L. Meeder
 APPROVED BY Co. Safety Director

HEALTH	FLAMMABILITY
1	0
0	0
CONTACT	REACTIVITY

PRODUCT IDENTIFICATION

COMMUTATOR (Non-Silver Bearing Copper)

SECTION I

MANUFACTURER'S NAME: The Electric Materials Company
 STREET ADDRESS: 50 South Washington Street
 CITY, STATE, & ZIP: North East, PA 16428
 EMERGENCY PHONE #: 814-725-9621
 INFORMATION PHONE #: 814-725-9621

SECTION II - HAZARDOUS INGREDIENTS

Chemical Name	Ingredients Common Name	CAS #	Percent Weight	PEL Occupational Exposure Limits	ACGIH
* Cu	Copper	7440-50-8	N/A	1 mg/m ³ 0.1 mg/m ³ (fume)	1 mg/m ³
Fe	Iron	1309-37-1	N/A	5 mg/m ³	5 mg/m ³
	Mica	12001-26-2	N/A	3 mg/m ³	3 mg/m ³
	Clay, Sand	1332-58-7	N/A	2 mg/m ³	2 mg/m ³
	Binders	1334-09-8	N/A	10 mg/m ³	10 mg/m ³

SECTION III - PHYSICAL DATA

MELTING RANGE: N/A ° F
 VAPOR DENSITY: N/A
 EVAPORATION RATE: N/A
 PERCENT VOLATILE BY VOLUME: N/A
 SOLUBLE IN WATER: Yes No
 SPECIFIC GRAVITY:

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMIBILITY CLASSIFICATION: OSHA: N/A DOT: N/A
 FLASH POINT: N/A ° F ° C LEL: N/A UN: N/A

EXTINGUISHING MEDIA:

Foam Alcohol Foam CO₂ Dry Chemical Water Fog Other

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

DECOMPOSITION OF PRODUCTS: Epoxy and varnish materials may give off CO₂, CO, phosgene gas, and a thick acid, irritating smoke.

SPECIAL FIRE FIGHTING PROCEDURES: None, but life support equipment is recommended.



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SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

Acute (Short term): Metal dust may be irritating to the skin, eyes, and upper respiratory tract. Molten fumes from the metal may cause fume fever, with flu-like symptoms, metallic taste in the mouth, and nausea.

Chronic (Long term): Metal fume fever and siderosis.

Medical Conditions Prone to Aggravation by Exposure: Allergies or respiratory conditions may be aggravated.

Primary Routes of Entry: Dermal Inhalation Ingestion

Emergency and First Aid Procedures: SKIN - wash with soap and water. If reddening or irritation occurs, victim should seek immediate medical attention, INHALATION - remove patient to fresh air, in all cases have individual checked by a physician.

SECTION VI - REACTIVITY DATA

STABILITY: Unstable Stable HAZARDOUR POLYMERIZATON: May Occur Will Not Occur

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): The metal is not compatible with strong organic oxidizers or acetylene.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Pick up or sweep up and store in a secure container.

WASTE DISPOSAL METHOD: Metals should be recycled. Check with federal, state, and local regulations for other waste streams.

SECTION VIII - SAFE HANDLING & USE PROCEDURES

RESPIRATORY PROTECTION: Depending on the physical state of the material (dust or fume), use respiratory protection as recommended by 29 CFR 1910.134, or applicable State regulations.

VENTILATION: Local exhaust is recommended for very dusty conditions.

PROTECTIVE GLOVES: Leather or cotton.

EYE PROTECTION: Safety Glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: N/A

HYGEINIC PRACTICES: Use good personal hygiene when handling material.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: N/A

OTHER PROCAUTIONS: Materials are not listed as human carcinogens.