

# CERAMCO

## MATERIAL SAFETY DATA SHEET

Issued on November 3, 1997

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** **Colorlogic Refractory Die Material Repair Putty**  
**PRODUCT CODE:** 215100, 215103, 215200  
**MANUFACTURER/SUPPLIER:** Ceramco  
 Six Terri Lane  
 Burlington, NJ 08016  
 USA  
 Phone number: (800) 487-0100

Ceramco Europe Ltd.  
 Hamm Moor Lane, Addlestone  
 Weybridge, Surrey  
 KT15 2SE England  
 Phone number: 0-1932-856240

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION: Putty containing ceramic fibers

HAZARDOUS INGREDIENTS:

<u>Component</u>	<u>CAS No</u>	<u>Weight %</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>HAZARDS</u>
Ceramic Fibers (SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> )	14808-60-7	60 - 70	10 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	Irritant
Silica (amorphous)	7631-86-9	1 - 10	80 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Irritant
Ethylene Glycol	107-21-1	1 - 10	50 ppm	39.4 ppm	Poison
Magnesium Aluminum Silicate	1327-41-1	1 - 10	Not Available	5 mg/m <sup>3</sup>	Irritant

### SECTION III - HAZARDS IDENTIFICATION

NFPA HAZARD DESIGNATIONS: Health: 1 (Slight)  
 Flammability: 1 (Slight)  
 Reactivity: 0 (Minimal)

IMPORTANT HAZARD INFORMATION: Chronic health effect possible. Inhalation of silica dust may cause lung injury or disease, such as silicosis. Take all precautions to avoid breathing dusts. May be harmful if swallowed or inhaled. May irritate eyes and skin.

### SECTION IV - FIRST-AID MEASURES

**GENERAL INFORMATION:** Consult doctor in case of symptoms.  
**AFTER INHALATION:** Remove to fresh air. If breathing has stopped, perform artificial respiration. Consult a doctor.  
**AFTER SKIN CONTACT:** Wash skin thoroughly with soap and water. Consult a doctor if symptoms persist.  
**AFTER EYE CONTACT:** Rinse opened eye for 15 minutes under running water. Consult doctor in case of symptoms.  
**AFTER SWALLOWING:** If victim is conscious, give 1 - 3 glasses of water. Do not induce vomiting. Consult doctor immediately.

### SECTION V - FIRE-FIGHTING MEASURES

**FIRE EXTINGUISHING AGENTS:** Use water, dry chemical, alcohol foam, or carbon dioxide.  
**SPECIAL PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus with full face-piece in positive pressure mode.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

**PERSON-RELATED SAFETY PRECAUTIONS:** Avoid breathing dust! Provide adequate ventilation. Maintain and use proper, clean respiratory equipment. Wear appropriate personal protective equipment.  
**ENVIRONMENTAL PROTECTION:** Do not allow into drainage or sewerage system.  
**MEASURES FOR CLEANING/COLLECTING:** Sweep or scoop into containers for later disposal. Clean area with wet sponge or mop.  
**ADDITIONAL INFORMATION:** No additional information.

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 COLORLOGIC REFRACTORY DIE MATERIAL REPAIR PUTTY (continued)

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SECTION VII - HANDLING AND STORAGE

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INFORMATION FOR SAFE HANDLING: Ensure good ventilation/exhaustion at workplace. Keep container closed when not in use. Avoid contact with eyes, skin, and clothing.

PROTECTION AGAINST EXPLOSIONS/FIRES: Store away from heat and ignition sources.

STORAGE: Store in cool dry location. Do not store in unlabeled containers

COMMON STORAGE FACILITIES: Observe normal warehouse handling procedures.

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SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

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VENTILATION: Use local exhaust to meet ventilation requirements.

EYE PROTECTION: Safety goggles/glasses are recommended. An eye bath and washing facilities should be available.

SKIN PROTECTION: Rubber gloves are recommended.

RESPIRATORY PROTECTION: Use NIOSH approved respirator when exposed to dust.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: Solid/Liquid

FORM: Paste

COLOR: Gray

ODOR: None

pH: Not Applicable

MELTING POINT: Not Applicable

BOILING POINT: Not Applicable

FLASH POINT: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

DANGER OF EXPLOSION: Not Applicable

FLAMMABILITY: Not Applicable

VAPOR PRESSURE: Not Applicable

DENSITY: 14 - 25 gm/cc @ 20°C

SOLUBILITY/ MISCIBILITY Partially soluble in water

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SECTION X - STABILITY AND REACTIVITY

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STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Drying.

MATERIALS TO AVOID: Strong acids or bases, silver nitrate.

DECOMPOSITION PRODUCTS: Dry ceramic fibers

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SECTION XI - TOXICOLOGICAL INFORMATION

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CARCINOGENEITY:	NTP: yes	IARC: yes	Z LIST: no	OSHA REG: no
EFFECTS OF OVEREXPOSURE:				
SKIN CONTACT:	May be irritating or reddening of skin.			
EYE CONTACT:	May cause irritation through abrasion.			
INHALATION:	May cause irritation to nose, throat, and respiratory passages.			
INGESTION:	No effect expected for normal, incidental ingestion.			
SENSITIZATION:	No sensitizing effect known.			
CHRONIC EFFECTS:	Through excessive inhalation of dust, potentially fatal silicosis. Suspected carcinogen. Scleroderma (immune disorder manifested by fibrosis of the lungs, skin, and other internal			

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### COLORLOGIC REFRACTORY DIE MATERIAL REPAIR PUTTY (continued)

organs). Kidney disease. Edema. Emphysema.

CONDITIONS AGGRAVATED BY EXPOSURE:      Respiratory diseases including, but not limited to, asthma and bronchitis. Silicosis is aggravated by smoking.

#### SECTION XII - ECOLOGICAL INFORMATION

Stable, inorganic compound in an organic liquid. Does not degrade, partially evaporates.

#### SECTION XIII - DISPOSAL CONSIDERATION

PRODUCT DISPOSAL:                              Dispose of in accordance with Federal, State, and Local regulations for relatively non-toxic inorganics.

CONTAMINATED PACKAGING:                      No special measures required.

ADDITIONAL DISPOSAL INFORMATION:        Local disposal regulations may exist.

#### SECTION XIV - TRANSPORT INFORMATION

Transportation is not restricted.

#### SECTION XV - REGULATORY INFORMATION

US:

##### SARA/TITLE III HAZARD CATEGORIES AND LISTS

ACUTE: Yes CHRONIC: Yes FLAMMABILITY: No PRESSURE: No REACTIVITY: No

EXTREMELY HAZARDOUS SUBSTANCE:        no

CERCLA HAZARDOUS SUBSTANCE:            no

SARA 313 TOXIC CHEMICALS:                yes (contains ethylene glycol)

TSCA INVENTORY:                              yes

STATE LISTS:                                      For products sold in the state of California, the state requires that we provide to users and their employees the following message:  
Warning: This product contains a chemical know to the state of California to cause cancer, birth defects, or respiratory harm. (Silica, Ethylene glycol)

For product sold in the state of Massachusetts, the state requires that we provide users and their employees the following message:  
This product contains the following chemical(s) which are listed as an extraordinarily hazardous substance as defined in Massachusetts Right-To-Know Law, Department of Health, Chapter 105, Section 670.005. (Ethylene glycol)

CANADA:

WHIMS CLASSIFICATION:                      Class D, Division 2, Subdivision A- Very Toxic Material causing other Toxic Effect.

DSL:    All components are listed on Canadian Domestic Substances List or exempt from notification.

EU:

EINECS:    All of the components of this product are listed on the EINECS Inventory or are exempt from notification requirements. (EINECS number for quartz is 231-545-4)

#### SECTION XVI - OTHER INFORMATION

INTERNATIONAL RISK PHRASES:              20, 36, 38.

INTERNATIONAL SAFETY PHRASES:          7, 20, 21, 36, 37, 38, 39.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.