

# CERAMCO

## MATERIAL SAFETY DATA SHEET

Issued on February 10, 2006

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** Ceramco® Press Investment Powder  
**PRODUCT CODE:** 530301  
**MANUFACTURER/SUPPLIER:** DENTSPLY Ceramco  
 570 W. College Ave  
 York, PA 17405  
 USA  
 Phone number: (800) 487-0100  
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### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION: Powder mixture

HAZARDOUS INGREDIENTS:

<u>Component</u>	<u>CAS No</u>	<u>Weight %</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>HAZARDS</u>
Quartz Silica (crystalline)	14808-60-7	10 - 30	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	Irritant
Cristoballite (crystalline)	14464-46-1	40 - 70	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>	Irritant
Metallic oxides		5 - 15	5 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	Irritant
Phosphate dusts		10 - 30	5 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	Irritant

### SECTION III - HAZARDS IDENTIFICATION

**NFPA HAZARD DESIGNATIONS:** Health: 3 (Serious)  
 Flammability: 0 (Minimal)  
 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.

### 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:** Not hazardous to skin. Wash skin thoroughly with soap and water.  
**AFTER EYE CONTACT:** Rinse opened eye for 15 minutes under running water. Consult doctor in case of symptoms.  
**AFTER SWALLOWING:** Consult doctor immediately.

### SECTION V- FIRE-FIGHTING MEASURES

**FIRE EXTINGUISHING AGENTS:** Use media that is appropriate for the surrounding fire. Water may cause product to solidify.  
**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

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<b>ENVIRONMENTAL PROTECTION:</b> <b>MEASURES FOR CLEANING/COLLECTING:</b> <b>ADDITIONAL INFORMATION:</b>	proper, clean respiratory equipment. Launder clothes that have become dusty. No special protection required. Take up with HEPA vacuum or wet method. Silica dust may be in the air without a visible dust cloud. Practice good housekeeping to prevent accumulation of dust in work areas.
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**SECTION VII - HANDLING AND STORAGE**

<b>INFORMATION FOR SAFE HANDLING:</b> <b>PROTECTION AGAINST EXPLOSIONS/FIRES:</b> <b>STORAGE:</b> <b>COMMON STORAGE FACILITIES:</b>	Ensure good ventilation/exhaustion at workplace. Keep container closed when not in use. Product is not flammable or explosive. Store in cool dry location. Observe normal warehouse handling procedures.
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**SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>VENTILATION:</b> <b>EYE PROTECTION:</b> <b>SKIN PROTECTION:</b> <b>RESPIRATORY PROTECTION:</b>	Use local exhaust to meet ventilation requirements. Safety goggles/glasses are recommended. An eye bath and washing facilities should be available. Protective gloves are recommended. Use appropriate respiratory protection for particulate.
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**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b> <b>FORM:</b> <b>COLOR:</b> <b>ODOR:</b> <b>pH:</b> <b>MELTING POINT:</b> <b>BOILING POINT:</b> <b>FLASH POINT:</b> <b>AUTOIGNITION TEMPERATURE:</b> <b>DANGER OF EXPLOSION:</b> <b>FLAMMABILITY:</b> <b>VAPOR PRESSURE:</b> <b>DENSITY:</b> <b>SOLUBILITY/ MISCIBILITY</b>	Solid Powder White/gray None Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Product is not explosive. Product is not flammable. Not Applicable Not Available Insoluble in water
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**SECTION X - STABILITY AND REACTIVITY**

<b>STABILITY:</b> <b>HAZARDOUS POLYMERIZATION:</b> <b>CONDITIONS TO AVOID:</b> <b>MATERIALS TO AVOID:</b> <b>DECOMPOSITION PRODUCTS:</b>	Stable Will not occur. None. Strong acids or oxidizing agents. May solidify in water. None.
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**SECTION XI - TOXICOLOGICAL INFORMATION**

<b>CARCINOGENEITY:</b>	NTP: yes	IARC: yes	Z LIST: no	OSHA REG: no
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**EFFECTS OF OVEREXPOSURE:**

<b>SKIN CONTACT:</b>	No effect.
<b>EYE CONTACT:</b>	May cause irritation or injury.
<b>INHALATION:</b>	May cause irritation to nose, throat, and respiratory passages.
<b>INGESTION:</b>	No effect expected for normal, incidental ingestion.
<b>SENSITIZATION:</b>	No sensitizing effect known.
<b>CHRONIC EFFECTS:</b>	Potentially fatal silicosis. Suspected carcinogen. Mycobacterium Tuberculosis.
<b>CONDITIONS AGGRAVATED BY EXPOSURE:</b>	Respiratory diseases including, but not limited to, asthma and bronchitis. Silicosis is aggravated by smoking.

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**SECTION XII - ECOLOGICAL INFORMATION**

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Stable, inorganic powder. Not expected to present any environmental hazard.

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**SECTION XIII - DISPOSAL CONSIDERATION**

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<b>PRODUCT DISPOSAL:</b>	Dispose of in accordance with Federal, State, and Local regulations for inert, non-metallic minerals.
<b>CONTAMINATED PACKAGING:</b>	No special measures required.
<b>ADDITIONAL DISPOSAL INFORMATION:</b>	Local disposal regulations may exist.

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**SECTION XIV - TRANSPORT INFORMATION**

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Transportation is not restricted.

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**SECTION XV - REGULATORY INFORMATION**

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**US:**  
**SARA/TITLE III HAZARD CATEGORIES AND LISTS**  
ACUTE: No CHRONIC: Yes FLAMMABILITY: No PRESSURE: No REACTIVITY: No  
**EXTREMELY HAZARDOUS SUBSTANCE:** no  
**CERCLA HAZARDOUS SUBSTANCE:** no  
**SARA 313 TOXIC CHEMICALS:** no  
**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 known to the state of California to cause cancer. (Silica)

**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)

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**SECTION XVI - OTHER INFORMATION**

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**INTERNATIONAL RISK PHRASES:** 36, 37, 48.  
**INTERNATIONAL SAFETY PHRASES:** 20, 22, 25, 51