

CERAMCO

MATERIAL SAFETY DATA SHEET

Issued on March 31, 1997

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **Ceramco⁷ Ceramcote Powder**

PRODUCT CODE: 780050

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

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SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION: Gold, platinum and glass powder.

HAZARDOUS INGREDIENTS:

<u>Component</u>	<u>CAS No</u>	<u>Weight %</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>HAZARDS</u>
Sodium potassium calcium alumino silicate glass		65 - 75	Not determined	10 mg/m ³ (TVL-TWA)	irritant
Oxides, colorants, opaquers (metal & rare earth metals)		28 - 30	Not determined	10 mg/m ³ (TVL-TWA)	irritant
Gold powder	7440-57-5	1 - 2	Not determined	Not determined	Not established
Silver powder		0 - 1	Not determined	Not determined	Not established

SECTION III - HAZARDS IDENTIFICATION

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

IMPORTANT HAZARD INFORMATION: None.

SECTION IV - FIRST-AID MEASURES

GENERAL INFORMATION: Consult doctor in case of symptoms.

AFTER INHALATION: Avoid breathing ground powder regularly. If overexposure occurs, remove to well ventilated area.

AFTER SKIN CONTACT: Wash skin thoroughly with soap and water.

AFTER EYE CONTACT: Rinse opened eye for 15 minutes under running water. Consult doctor if irritation or discomfort persists.

AFTER SWALLOWING: Consult a physician.

SECTION V - FIRE-FIGHTING MEASURES

FIRE EXTINGUISHING AGENTS: Use extinguisher approved for metal fires.

SPECIAL PROTECTIVE EQUIPMENT: None.

SECTION VI - ACCIDENTAL RELEASE MEASURES

PERSON-RELATED SAFETY PRECAUTIONS: Avoid skin and eye contact. Avoid overexposure to powder or dust.

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ENVIRONMENTAL PROTECTION: No special measures are required.
 MEASURES FOR CLEANING/COLLECTING: Sweep or scoop up and store in appropriate containers.
 ADDITIONAL INFORMATION: Stable, inorganic compounds, does not degrade or evaporate.

SECTION VII - HANDLING AND STORAGE

INFORMATION FOR SAFE HANDLING: Keep containers closed when not in use.
 PROTECTION AGAINST EXPLOSIONS/FIRES: None.
 STORAGE: Store in suitable containers in a cool, dry, well ventilated area. Keep containers tightly closed.
 COMMON STORAGE FACILITIES: No special measures are required.

SECTION VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

VENTILATION: Use general or local exhaust to meet ventilation requirements.
 EYE PROTECTION: Safety glasses are recommended. An eye bath and washing facilities should be available.
 SKIN PROTECTION: Neoprene gloves are optional.
 RESPIRATORY PROTECTION: Wear mask approved for nuisance dust.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
 FORM: Finely divided powder.
 COLOR: White
 ODOR: Not Applicable
 pH: Not Applicable
 MELTING POINT: Not Determined
 BOILING POINT: Not Determined
 FLASH POINT: Not Applicable
 VAPOR DENSITY: Not Determined
 AUTOIGNITION TEMPERATURE: Not Determined
 DANGER OF EXPLOSION: Product could produce dust explosion.
 FLAMMABILITY: Not Applicable.
 VAPOR PRESSURE: Not Applicable
 DENSITY: 4.026 gm/cc @ 20EC
 SOLUBILITY/ MISCIBILITY: Not Applicable

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable
 HAZARDOUS POLYMERIZATION: Will not occur.
 CONDITIONS TO AVOID: None.
 MATERIALS TO AVOID: None.
 DECOMPOSITION PRODUCTS: Unknown.

SECTION XI - TOXICOLOGICAL INFORMATION

CARCINOGENEITY: None

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EFFECTS OF OVEREXPOSURE:

SKIN CONTACT:	Not expected to cause irritation.
EYE CONTACT:	May cause irritation upon contact.
INHALATION:	Avoid breathing ground powder regularly.
SENSITIZATION:	No sensitizing effect known.
CHRONIC EFFECTS:	None.
THRESHOLD LIMIT VALUE (TLV/TWA):	10 mg/m ³

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SECTION XII - ECOLOGICAL INFORMATION

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Stable, inorganic compounds, does not degrade or evaporate.

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SECTION XIII - DISPOSAL CONSIDERATION

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PRODUCT DISPOSAL:	Dispose of in accordance with local regulations for relatively non-toxic inorganics
CONTAMINATED PACKAGING:	Dispose according to official regulations.
ADDITIONAL DISPOSAL INFORMATION:	Local disposal regulations may exist.

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SECTION XIV - TRANSPORT INFORMATION

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LAND TRANSPORT ADR/RID (cross-border)	Transportation is not restricted.
UN/NA:	Not regulated.

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SECTION XV - REGULATORY INFORMATION

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No regulatory information available for this product.

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SECTION XVI - OTHER INFORMATION

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INTERNATIONAL RISK PHRASES:	36/37
INTERNATIONAL SAFETY PHRASES:	20/21, 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.