

CERAMCO
MATERIAL SAFETY DATA SHEET



Issued on 08/24/11
Supercedes 8/11/2009

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SECTION I - PRODUCT IDENTIFICATION

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PRODUCT NAME: **Ceramco3 Porcelains: Dentin, Dentin Modifier, Opaceous Dentin, Natural Enamel, Opal Enamel, Super Clear Enamel, Mamelons, Add-On, Powder Opaque, Opaque Corrector, Stain, Glaze, Improved Margin, Final Margin**

PRODUCT CODE:

Dentin: 301134, 301135, 301136, 301137, 301138, 301143, 301144, 301145, 301146, 301147, 301148, 301149, 301150, 301151, 301152, 301153, 304138, 304139, 304140, 304141, 304142, 304143, 304144, 304145, 304146, 304147, 304148, 304149, 304150, 304151, 304152, 304153, 301130, 301131, 301132, 301133, 301139, 301140, 301141, 301142, 304130, 304131, 304132, 304133, 304134, 304135, 304136, 304137, 303701, 303711, 303721, 303731, 303741, 303751, 303761, 303771, 303781, 303791, 303801, 303811, 303821, 303831, 303841, 303851, 303861, 303871, 303881, 303891, 303901, 303911, 303921, 303931, 303941, 303951.

Dentin Modifier: 301160, 301161, 301162, 301163, 301164, 301165, 301166, 301167, 301168, 301169, 301170, 301171.

Opaceous Dentin: 301104, 301105, 301106, 301107, 301108, 301113, 301114, 301115, 301116, 301117, 301118, 301119, 301120, 301121, 301122, 301123, 301124, 304108, 304109, 304110, 304111, 304112, 304113, 304114, 304115, 304116, 304117, 304118, 304119, 304120, 304121, 304122, 304123, 301100, 301101, 301102, 301103, 301109, 301110, 301111, 301112, 304100, 304101, 304102, 304103, 304104, 304105, 304106, 304107, 303401, 303411, 303421, 303431, 303441, 303451, 303461, 303471, 303481, 303491, 303501, 303511, 303521, 303531, 303541, 303551, 303561, 303571, 303581, 303591, 303601, 303611, 303621, 303631, 303641, 303651.

Natural Enamel: 301200, 301201, 301202, 301203, 301204, 301205, 301206, 301207, 301208, 301209, 301210, 301211, 304200, 304201, 304202, 304203, 304204, 304205, 304206, 304207, 304208, 304209, 304210, 304211, 303051, 303061.

Opal and Super Clear Enamels: 301220, 301221, 301222, 301223.

Super Clear: 301212.

Mamelon: 301230, 301231.

Add-On: 301400, 301401, 301402, 301403, 301404, 301405, 301406, 301407, 301408.

Powder Opaque: 301004, 301005, 301006, 301007, 301008, 301013, 301014, 301015, 301016, 301017, 301018, 301019, 301020, 301021, 301022, 301023, 304008, 304009, 304010, 304011, 304012, 304013, 304014, 304015, 304016, 304017, 304018, 304019, 304020, 304021, 304022, 304023, 301001, 301002, 301003, 301009, 301010, 301011, 301012, 304000, 304001, 304002, 304003, 304004, 304005, 304006, 304007, 303101, 303111, 303121, 303131, 303141, 303151, 303161, 303171, 303181, 303191, 303201, 303211, 303221, 303231, 303241, 303251, 303261, 303271, 303281, 303291, 303301, 303311, 303321, 303331, 303341, 303351.

Powder Opaque Modifier: 301030, 301031, 301032, 301033, 301034, 301035, 301036, 301037, 301038.

Opaque Corrector: 301410, 301411, 301412, 301413.

Stain: 301500, 301501, 301502, 301503, 301504, 301505, 301506, 301507, 301508, 301509, 301510, 301511, 301512, 301513, 301514, 301515, 301516, 301517.

Glaze: 301322.

Improved Margin: 301900, 301901, 301902, 301903, 301904, 301905, 301906, 301907, 301908, 301909, 301910, 301911, 301913, 301914, 301915, E301900, E301901, E301902, E301903, E301904, E301905, E301906, E301907, E301908, E301909, E301910, E301911, E301913, E301914, E301915.

Final Margin: 301920, 301921, 301922, 301923, 301924, 301925, 301926, 301927, 301928, E301920, E301921, E301922, E301923, E301924, E301925, E301926, E301927, E301928.

CERAMCO
MATERIAL SAFETY DATA SHEET
Ceramco³ PORCELAINS (continued)

MANUFACTURER/SUPPLIER: Dentsply International Inc.
570 West College Ave.
York, PA 17405-0872
USA
Telephone Number: 1-717-845-7511 or 800-877-0020
Emergency Telephone Number: 800-424-9300 Chemtrec

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION: Inorganic glass powder with opacifiers and pigments

HAZARDOUS INGREDIENTS:

<u>Component</u>	<u>CAS No</u>	<u>Weight %</u>	<u>OSHA/PEL or TWA</u>	<u>ACGIH/TLV or TWA</u>
HAZARDS				
Sodium Potassium Aluminosilicate	Not Available	80- 100	Not Established	Not Established Irritant
Tin Oxide	18282-10-5	0-20	Not Established	2 mg/m ³ Irritant

SECTION III - HAZARDS IDENTIFICATION

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

IMPORTANT HAZARD INFORMATION: Nuisance dust. If large amount of dust exists, use an approved mask and ventilate area.

SECTION IV - FIRST-AID MEASURES

GENERAL INFORMATION: No special measures required.
AFTER INHALATION: Supply fresh air. Consult doctor in case of symptoms.
AFTER SKIN CONTACT: This product does not irritate skin.
AFTER EYE CONTACT: Rinse opened eye for 15 minutes under running water. Consult doctor in case of symptoms.
AFTER SWALLOWING: Consult doctor in case of symptoms.

SECTION V- FIRE-FIGHTING MEASURES

FIRE EXTINGUISHING AGENTS: Use fire fighting measures that suit the environment
SPECIAL PROTECTIVE EQUIPMENT: No special protection required.

SECTION VI - ACCIDENTAL RELEASE MEASURES

PERSON-RELATED SAFETY PRECAUTIONS: Provide adequate ventilation. In areas of high dust concentration, wear an approved dust mask or respirator.
ENVIRONMENTAL PROTECTION: No special measures required.
MEASURES FOR CLEANING/COLLECTING: No special measures. Sweep or scoop into appropriate containers.
ADDITIONAL INFORMATION: No additional information.



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SECTION VII - HANDLING AND STORAGE

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INFORMATION FOR SAFE HANDLING:	Store away from food and beverages.
PROTECTION AGAINST EXPLOSIONS/FIRES:	No special measures are required. Product is non-combustible.
STORAGE:	Store in cool dry location to prolong shelf life.
COMMON STORAGE FACILITIES:	No special measures are required.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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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:	No special protection is required.
RESPIRATORY PROTECTION:	In areas of high dust concentration, use of an approved mask or respirator is recommended.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE:	Solid
FORM:	Powder
COLOR:	Variable
ODOR:	None
pH:	Not Applicable
MELTING POINT:	Not Determined
BOILING POINT:	Not Applicable
FLASH POINT:	Not Applicable
VAPOR DENSITY:	Not Applicable
AUTOIGNITION TEMPERATURE:	Not Applicable
DANGER OF EXPLOSION:	Product is not explosive.
FLAMMABILITY:	Product is not flammable.
VAPOR PRESSURE:	Not Applicable
DENSITY:	2.4 - 3.1 gm/cc @ 20°C
SOLUBILITY/ MISCIBILITY	Insoluble in water (<0.1%)

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SECTION X - STABILITY AND REACTIVITY

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STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	No known dangerous reactions.
MATERIALS TO AVOID:	No known incompatible materials.
DECOMPOSITION PRODUCTS:	No known decomposition products.

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SECTION XI - TOXICOLOGICAL INFORMATION

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CARCINOGENEITY:	Not a known carcinogen
ACUTE TOXICITY:	None.
CHRONIC TOXICITY:	None.
EFFECTS OF OVEREXPOSURE:	
SKIN CONTACT:	No effect on skin.
EYE CONTACT:	Irritant.
INHALATION:	Nuisance dust.
SENSITIZATION:	No sensitizing effect known.

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Ceramco³ PORCELAINS (continued)

SECTION XII - ECOLOGICAL INFORMATION

Not known to be hazardous to water.

SECTION XIII - DISPOSAL CONSIDERATION

PRODUCT DISPOSAL:	Dispose in accordance with local, state, and federal regulations for disposal of solid waste.
CONTAMINATED PACKAGING:	Dispose according to official regulations.
ADDITIONAL DISPOSAL INFORMATION:	Local disposal regulations may exist.

SECTION XIV - TRANSPORT INFORMATION

Transportation is not restricted.

SECTION XV - REGULATORY INFORMATION

FOR TIN OXIDE

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:	No			
TSCA INVENTORY:	Yes			

SECTION XVI - OTHER INFORMATION

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

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.