

THANK YOU

Thank you for choosing SAGEMAX[®]Zr HT high translucency dental zirconia blanks. In this manual, you will receive the following details:

- ◆ Abbreviated MSDS (Material safety data sheet)
- ◆ Staining Recommendation
- ◆ Final Sintering Recommendation
- ◆ Technical Support

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MSDS, Abbreviated (Material safety data sheet)

Section 1 - CHEMICAL PRODUCT & IDENTIFICATION

Chemical Family:	Zirconium Oxide Based Ceramics
Trade Name:	SAGEMAX [®] Zr HT Dental Zirconia Blank

Section 2 - HAZARDOUS INGREDIENTS

	CASE NUMBER	13314-23-4
	Zirconia (Zirconium Oxide)	PERCENT
ACGIH TLV		5 (T)
OSHA PEL		5 (T)
UNITS		mg/M3
Yttria (Yttrium Oxide)	CASE NUMBER	1314-36-9
	PERCENT	4-6%
	ACGIH TLV	2 (T)
	OSHA PEL	N/E
	UNITS	mg/M3

Section 3 - HEALTH HAZARD DATA

Routes of Exposure:

- Skin Contact N/A Skin Absorption Eye Contact
 Acute Inhalation Chronic Inhalation Ingestion

Emergency and First Aid Procedures:	Inhalation:	If symptoms of pulmonary involvement develop (coughing, wheezing, shortness of breath, etc.), remove from exposure and seek medical attention.
	Skin Contact:	If irritation or rash occurs, thoroughly wash affected area with soap and water and isolate from exposure. If irritation or rash persists, seek medical attention.
	Eye Contact:	If irritation occurs, flush with large amounts of water. If irritation

	persists, seek medical attention.
Ingestion:	If substantial quantities are swallowed, dilute with a large amount of water. Induce vomiting and seek medical attention.

Section 4 - SPECIAL INFORMATION

Eye Protection:

Safety glasses with side shields are recommended.

Skin Protection:

Protective gloves or barrier cream are recommended when contact with dust or mist is likely. Prior to applying the barrier cream or use of protective gloves, wash thoroughly. Consult with your employer before using gloves as some may present safety hazards.

Waste Disposal Method:

Dispose of in accordance with appropriate government regulations.

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STAINING RECOMMENDATION

SAGEMAX [®] Zr HT High Translucency Dental Zirconia	VITA Staining Liquid	
	Diluting*	Immersion Time
	50% : 50%	30 Seconds
	Zirkon Zahn Staining Liquid	
	Diluting**	Immersion Time
	50% : 50%	30 Seconds

* Use distilled water to dilute.

** Can NOT use distilled water to dilute. Buy the diluting liquid from Zirkon Zahn.

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FINAL SINTERING RECOMMENDATION

Start Temperature	Room Temperature
Heating Rate	3°C/min for bridge
	4°C/min for single crown
Final Temperature	1450 ~ 1530°C
Holding Time	2 hours
Cooling Rate	7°C/min or natural
Open Oven at	65°C or less

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