

MSDS - 0497

**MATERIAL SAFETY DATA SHEET**

REVISION: N/C

OCTOBER 25, 2000

FOR 3D-MASTER VMK 95 PORCELAINS

**VIDENT**

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**SECTION I - PRODUCT IDENTIFICATION: VITA 3D-MASTER VMK-95 PORCELAINS**

**TRADE NAMES:**

Vita VMK-95 Opaque, Opacious Dentin, Dentin and Neck Powders

**CHEMICAL NAME:**

Feldspathic Porcelain

**MSDS - 0497 APPLIES TO THE FOLLOWING VIDENT PRODUCTS ( BY PART NUMBER )**

VX94-3301	VX95-3301	VX94-3331	VX95-3331	VX94-3361	VX95-3361	VX94-3171
VX94-3302	VX95-3302	VX94-3332	VX95-3332	VX94-3362	VX95-3362	VX94-3172
VX94-3303	VX95-3303	VX94-3333	VX95-3333	VX94-3363	VX95-3363	VX94-3173
VX94-3304	VX95-3304	VX94-3334	VX95-3334	VX94-3364	VX95-3364	VX94-3174
VX94-3305	VX95-3305	VX94-3335	VX95-3335	VX94-3365	VX95-3365	VX94-3175
VX94-3306	VX95-3306	VX94-3336	VX95-3336	VX94-3366	VX95-3366	
VX94-3307	VX95-3307	VX94-3337	VX95-3337	VX94-3367	VX95-3367	
VX94-3308	VX95-3308	VX94-3338	VX95-3338	VX94-3368	VX95-3368	
VX94-3309	VX95-3309	VX94-3339	VX95-3339	VX94-3369	VX95-3369	
VX94-3310	VX95-3310	VX94-3340	VX95-3340	VX94-3370	VX95-3370	
VX94-3311	VX95-3311	VX94-3341	VX95-3341	VX94-3371	VX95-3371	
VX94-3312	VX95-3312	VX94-3342	VX95-3342	VX94-3372	VX95-3372	
VX94-3313	VX95-3313	VX94-3343	VX95-3343	VX94-3373	VX95-3373	
VX94-3314	VX95-3314	VX94-3344	VX95-3344	VX94-3374	VX95-3374	
VX94-3315	VX95-3315	VX94-3345	VX95-3345	VX94-3375	VX95-3375	
VX94-3316	VX95-3316	VX94-3346	VX95-3346	VX94-3376	VX95-3376	
VX94-3317	VX95-3317	VX94-3347	VX95-3347	VX94-3377	VX95-3377	
VX94-3318	VX95-3318	VX94-3348	VX95-3348	VX94-3378	VX95-3378	
VX94-3319	VX95-3319	VX94-3349	VX95-3349	VX94-3379	VX95-3379	
VX94-3320	VX95-3320	VX94-3350	VX95-3350	VX94-3380	VX95-3380	
VX94-3321	VX95-3321	VX94-3351	VX95-3351	VX94-3381	VX95-3381	
VX94-3322	VX95-3322	VX94-3352	VX95-3352	VX94-3382	VX95-3382	
VX94-3323	VX95-3323	VX94-3353	VX95-3353	VX94-3383	VX95-3383	
VX94-3324	VX95-3324	VX94-3354	VX95-3354	VX94-3384	VX95-3384	
VX94-3325	VX95-3325	VX94-3355	VX95-3355	VX94-3385	VX95-3385	
VX94-3326	VX95-3326	VX94-3356	VX95-3356	VX94-3386	VX95-3386	

INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF. IT IS THE USER'S RESPONSIBILITY TO DETERMINE FOR HIMSELF THE SUITABILITY OF ANY MATERIAL FOR A SPECIFIC PURPOSE AND TO ADOPT SUCH SAFETY PRECAUTIONS AS MAY BE NECESSARY. WE MAKE NO WARRANTY AS TO THE RESULTS TO BE OBTAINED IN USING MATERIAL AND, SINCE CONDITIONS OF USE ARE NOT UNDER OUR CONTROL, WE MUST NECESSARILY DISCLAIM ALL LIABILITY WITH RESPECT TO THE USE OF ANY MATERIAL.

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**SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

HAZARDOUS INGREDIENTS / OSHA:

INGREDIENTS	OSHA PELs		ACGIH TLVs	
	TWA mg/m.3	10 <sup>4</sup> ; 5**	TWA mg/m.3	10 (e)
Alumina				
Barium Oxide	[1344-28-1]			
Boron Oxide	[7440-39-3]	0.5		10
Calcium Oxide	[1303-86-2]	10*		0.5
Iron Oxide	[1305-78-8]	5		2
Lithium Oxide	[1309-37-1]	10*		5
Magnesium Oxide	[12057-24-8]	-		-
Potassium Oxide	[1309-48-4]	10*		10
Silicon Dioxide	[12030-88-5]	-		-
Sodium Oxide	[7631-86-9]	10 (e)		10 (e)
Tin Oxide	[1313-59-3]	2		2
Titanium Dioxide	[7440-31-5]	10*		10
Zirconium Oxide	[13463-67-7]	5		5 [STEL 10]

E - The value is for dust containing no asbestos and < 1% crystalline silica.  
 \* - Total Dust  
 \*\* - Respirable fraction

**SECTION III - PHYSICAL AND CHEMICAL DATA**

APPEARANCE AND ODOR:	Pastel Color Porcelains No odor.
SOLUBILITY IN WATER:	Insoluble
DENSITY:	2.4g/cc
MELTING POINT:	960 C.
VAPOR PRESSURE:	Not Applicable
SPECIFIC GRAVITY:	Not Applicable
EVAPORATION RATE:	0

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:	Non Flammable
FLAMMABLE LIMITS:	N/A
LEL:	Not applicable
EXTINGUISHING MEDIA:	N/A
SPECIAL FIREFIGHTING PROCEDURES:	None.
UNUSUAL FIRE HAZARD:	None.

**SECTION V - REACTIVITY DATA**

STABILITY:	Stable
MATERIAL TO AVOID:	Concentrated Hydrofluoric Acid
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION OF BY PRODUCTS:	None.

**SECTION VI - HEALTH HAZARD DATA**

ROUTES OF ENTRY:	Inhalation
HEALTH HAZARDS:	Avoid breathing ceramic dust.
CARCINOGENICITY:	None
SIGNS AND SYMPTOMS OF EXPOSURE:	Unknown.
EMERGENCY FIRST AID PROCEDURES:	None.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

CLEAN-UP PROCEDURES:	Sweep up as solid waste. Avoid breathing dust.
WASTE DISPOSAL METHOD:	Dispose of solid waste.
HANDLING AND STORAGE PRECAUTIONS:	None

**SECTION VII - CONTROL MEASURES**

RESPIRATORY PROTECTION:	Nuisance dust mask recommended while grinding fired ceramic.
VENTILATION:	Mechanical exhaust ventilation recommended while grinding fired ceramic.
EYE PROTECTION:	Safety glasses or eye goggles recommended while grinding fired ceramic.
PROTECTIVE CLOTHING: WORK/HYGIENIC PRACTICE:	Not required. Wash hands after use.