

SAFETY DATA SHEET

Product Name: Endo-Eze[™] MTAFlow[™] White Powder

1. Product and Company Identif Product Name: Endo-Eze™ MTAFlow™ White Powder						SDS Code Number: SDS 489-001.01R01, 13867, 4980.					
Trade Name & Synonyms: Endo-Eze™ MTAFlow™ White Powder						Last Revision: N/A Effective Date: 07/06/2022 Manufactured by NuSmile Ltd. for Ultradent					
Chemical N	ame: no name assigned	to mixture			Manu	ifactured by Nu	Smile Ltd. fo	or Ultradent			
CAS. Number: None assigned						Address: 505 W 10200 S, South Jordan, UT 84095-3942, USA. Website: www.ultradent.com					
Grades or N	Ainor Variant Identities:	None	Telep	Telephone Number: (801) 572-4200							
Product Us	roduct Use (for Canada): Powder for mixing with MTAFlow Gel for dental use. e-mail: onlineordersupport@ultradent.com										
risk of deve effect on m	ritate throat and respirat eloping lung diseases. Du	ist or splashes fro	ause coughing. Frequen								
Routes of Exposure	Signs and Sympt		Single, Repeated, or Lifetime Exposure	Severity (Mi Moderate, S		Acute and Chronic Health Effect(s) of hazardous component			Targe	t Organ(
Еуе	Can cause eye ir delayed irritatio		Single	Mild		-			-		
Skin	delayed irritation of cornea. Exposure may cause drying of the skin with mild irritations. Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure.		Single	Mild	Mild		Acute irritation to skin and mucous membranes. Can aggravate other skin conditions.				
Inhalation	Exposure may cause irritation to the moist mucous membranes of the nose, throat, and upper respiratory system.		Single	Mild		Frequent inhalation of large quantities, over a long period of time increases the risk of lung diseases.		Lung			
Ingestion	Internal discomfort or ill effects are possible if large quantities are swallowed.		Single	Mild		Acute irritation			-		
Carcinogeni	nditions Aggravated by E icity (IARC, NTP): None k ivironmental Effects: Po	nown	cure hardens into a solid		ot biode		by inhalatio	n.	-		
Hazardous (Components	CAS. Number	•			st Exposure	posure %				
3CaO•SiO ₂ -	BCaO•SiO ₂ - Tricalcium silicate 12168-85				4 mg/m ³		<50				
Ta ₂ O ₅ - Tantalite 1314-		1314-61-0	4-61-0			′ m³	<50				
2CaO•SiO ₂ - Dicalcium silicate 10034-77-2		10034-77-2			4 mg/		<20				
		7778-18-9			5 mg/		<5				
3CaO•Al ₂ O ₃	- Tricalcium Aluminate	12042-78-3			10 mg	g/m³	<5				
Denteral			4. FIRST A	Aid Measures					Effects	(
Routes of Exposure	First Aid Instructions					Immediate M Attention	ledical	Acute	LITEUIS		
Еуе	Immediately flush eyes with plenty of water for 15 minutes, while holding eyelids apart. Remove contact lenses. Do not use eye ointments.				Get medical attention immediately, even if -			-	Delaye		
Skin	Immediately flush skin with plenty of cool soapy water. Remove contamina clothing and wash contact areas thoroughly. Seek prompt medical attentio					no symptoms 			-		
Inhalation	Move individual away from exposure into fresh air. If not breathing, give a respiration. If not breathing, give artificial respiration. If breathing is difficu administer oxygen. Keep patient warm.				tificial	Get medical attention					
Ingestion	If ingestion occurs, flush mouth with water, and drink water o induce vomiting. If vomiting occurs, keep the head lower than aspiration into the lungs. Never give anything by mouth to an convulsing person.			n chest to avoi	oid Get medical attention		attention.	-	-		
	convuising person.			Seek medical advice after large-scale exposure (>100 gm)							
Other		after large-scale	exposure (>100 gm)			-		-	-		



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5. Fire and Explosive Data											
Flashpoint & Method:	Flammable (Explosive) Limits in Air LEL/UEL:		oignition Temperature:	Other: None							
Non-combustible	Not applicable		applicable	Other. None							
			applicable								
Flame Propagation or Burning Rate (for solids): Not applicable	Properties Contributing to Fire Intensity: None		nmability Classification: 0								
Extinguishing Media: Water spray, foa		Extir	nguishing Media to Avoid: None								
Protection and Procedures for Firefighters: Usual. Avoid inhalation of smoke; use a respirator and protective suit.											
Unusual Fire and Explosion Hazards: Irritating fumes may be released by thermal decomposition. Fumes of silicon dioxide may be evolved from material in a fire.											
6. Accidental Release Measures											
Containment Techniques: Discard in trash.											
Spill/Leak Clean-Up Procedures and Equipment Wipe up spills with moist rags or vacuum to prevent dust from being dispersed. Discard in trash. Avoid											
skin contact and inhalation. Dispose of container and unused contents in accordance with federal, state, and local requirements.											
Evacuation Procedures: N/E Special Instructions: N/E Reporting Requirements: N/E											
7. Handling and Storage Handling Practices and Warnings: Powder is caustic. Keep out of eyes, lungs, or contact with mucosal tissues. After incidental contact, wash and rinse with											
	ective glasses during use. Endo-Eze MTAFlow White	-	-	-							
	umidity. Be careful not to contaminate the powder v	ith a c	contaminated instrument. Trained	personnel use this							
product exclusively for dental purposes. Starses Product exclusively for dental purposes.											
Storage Practices and Warnings: Store at temperatures at room temperature (25°C/77°F), not refrigerated. Keep bottle tightly closed; material is hydrophilic. Inadequate storage conditions will shorten the shelf life.											
	8. Exposure Control/Personal F	rotect	ion								
Ventilation: Use in a well-ventilated a			Other Engineering Controls: Nor	ie							
Routes of Entry:	Personal Protective Equipment (PPE) for Normal U	se:	PPE for Emergencies:								
Eye/Face	Avoid contact with eyes.		Safety glasses or face shield								
Skin	Wear latex or nitrile gloves and avoid skin contact.		Gloves and Face shield								
Inhalation	Avoid dust inhalation.		Dust mask or respirator								
General Hygiene Considerations and V	Vork Practices: Wear gloves as per universal precaut	ions in	dentistry. Wash your hands after	use. No eating, drinking, or							
smoking while handling this product. Wash clothing with spills of material on clothing.											
Protective Measures During Repair and Maintenance of Contaminated Equipment: Use liquid to remove dust. Use vinegar to dissolve set material.											
Other Protective Measures and Equip	•										
Annearance: Fine white newder	9. Physical and Chemical Charac	teristi									
Appearance: Fine, white powder			Odor: None Boiling Point >1800°C, Melting P	aint >700°C							
Normal Physical State:	d □Gas ⊠ Solid □(Other)		Freezing Point >800°C								
Specific Gravity or Density (H ₂ 0=1):3 g	/cc Solubility in Water: < 3 %		pH: ~12 mixed with water								
Vapor Pressure (mm Hg @ 20°C): ~ 0	Vapor Density (AIR= 1): N/A		Evaporation Rate (Butyl Acetate = 1): N/A								
10. Stability and Reactivity Data											
Incompatibility (Materials to Avoid): K	eep dry to avoid reaction with water and setting.										
Hazardous Products Produced During	Decomposition: May release silica fumes in a fire.										
Hazardous Polymerization?	Conditions to Avoid:		Stability?								
🗆 May Occur 🛛 May Not Occur	Moisture will react with the powder.		⊠ Stable	□Unstable							
	11. Toxicological Informati										
Toxicity Data, Epidemiology Studies, C secondary to effect of caustic powder	arcinogenicity, Neurological Effects, Genetic Effects, on moist tissues.	Repro	ductive Effects, or Structure Activi	ty Data: Toxicity is							
	12. Ecological Information	n									
Toxicity, Environmental Fate, Physical,	/Chemical Data, or Other Data Supporting Environme		azard Statements: Not biodegrada	ble, non-hazardous.							
	13. Disposal Consideration	าร									
Regulations: Dispose of container and	unused contents in accordance with federal, state, a	and loc	al requirements.								
Properties (Physical/Chemical) Affecting	ng Disposal: Do not spread dust. When mixed with w	/ater-b	ased liquid, a solid, non-biodegrad	dable mass will form.							
	14. Transport Informatio	n									
Regulated for shipping?	Proper Shipping Name:		Packing Group DOT class: ND								
⊠Yes ⊠ No	Endo-Eze MTAFLow White Powder		Packing Group DOT class: NR								
Do changes in quantity, packaging, or □Yes	r shipment method change product classification? 区 No		Hazard Class: Non-hazardous	Identification Number: None							
Other: none											
	15. Regulatory Informatio										
Federal Regulations: Hazard code: Xn (irritant):Components are considered to be hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations (Class D2A, E - Corrosive Material) and subject to the requirements of WHMIS. TSCA listed											
Risk phrases: R37/38 Irritating to respiratory system and skin. R41 Risk of serious damage to eyes. Safety phrases: S22 Do not breathe dust. S24 Avoid contact with skin. S25 Avoid contact with eyes. S26 In case of eye contact, rinse immediately with plenty seek medical advice. S25 Noid contact with eyes. S36 Wear suitable protective clothing. S45 In case of accident, or if you feel unwell, seek medical advice immediately.											
16. Other Information This information is based on our present knowledge; however, this shall not constitute a guarantee for a specific product feature. No toxicity data are available for this specific formulation. This health hazard assessment is based on information that is available for its components. N/A= not applicable. N/D= not determined. N/E= not established.											