SAFETY DATA SHEET

Product Name: Avalon Biomed MTA Plus GEL

				1 Product and	d Comn	any Identification							
Product Name	e· Δvalon Ri	omed MTA I	Plus® GFI	1. Product and		Company Identification SDS Code Number: SDS3							
Trade Name 8					3D3 Code Nullinet . 3D33								
Chemical Nan			GLL		Manufactured by: NuSmile Ltd								
CAS. Number:					Address: 3315 W 12 th Street, Houston, TX, 77008								
CAS. Number	. 140110 03318	ilcu			Website: www.nusmile.com								
Grades or Mir	nor Variant	Identities: N	one		Telephone Number USA: 713-861-0033 / INTL: 1-800-346-5133								
	Grades of Willion Variant Identities. None												
				r dental use mixed with	e-mail: regulatory@nusmile.com								
NeoMTA® or	Avalon Bior	ned Grey M1	A Plus® powd	er for dental use.									
				2. Haza	ard Ide	ntification							
Emergency Overview: slightly caustic water-based gel solution													
Routes of		Single, Repeated, or		Se	Severity (Mild, Moderate,		Acute and Chronic						
Exposure	sure Signs and Symptoms			Lifetime Exposure		Severe)		Health Effect(s)		t Organ(s)			
Eye	May irritate eyes.			Single Mo		Moderate			-				
Skin	May irrit	May irritate skin.		Single	Mild				-				
Inhalation	Dust is u	Dust is unlikely to form		Single	Mild				Lung				
Ingestion	May irrit	May irritate mucosal tissues.		Single	Mild				-				
Medical Cond	itions Aggr	avated by Ex	posure: none l	known									
Carcinogenici				KIIOWII									
				er with no known effects									
					sition o	of Ingredients							
Chemical name: None assigned CAS number: N/A													
Common Nan	ne & Synon	vms: MTA P	lus® GFI			Hazardous Components: None							
Impurities & S					nazaravas components. None								
Exposure Limi						%							
				4. Fir	st Aid N	Measures							
Davitas of Eve		5						Income distant Adadisal Attantion		Effects			
Routes of Exp	osure	First Aid Instructions						Immediate Medical Attention		Delayed			
Eye		Immediately flush eyes with plenty of water for seve				-		Get medical attention immediately,					
		holding eyelids apart. Remove contact lenses. Do no						even if no symptoms develop.					
Skin		Immediately flush skin with plenty of cool soapy wa						ical attention.					
Inhalation		Supply fresh air. If not breathing, give artificial respi			ration. If breathing is		Get medical attention.						
Tanan Pan		difficult, administer oxygen. Keep patient warm. If ingestion occurs, flush mouth with water, and see				k medical attention (Get medical attention.		+			
	Ingestion		Seek medical advice after large-scale exposure.										
					-								
Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically. 5. Fire and Explosion Data													
Flashpoint & I	Method: No	nt	Flammable (F	Explosive) Limits in Air	IIU LAP	Autoignition Ter	mnerature	· Not applicable					
applicable to		LEL/UEL: not applicable		/tatoignition remp		inperature	- F		ther: None				
Flame Propag		rning	Properties Contributing to Fire Intensity		: none	none Flammability Classific		sification: 0					
	Rate (for solids): Not known			one adding to the meaning	Talling oldsmoddon o								
`	Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical.						Extinguishing Media to Avoid: None						
Protection an	d Procedure	es for Firefig	hters: Usual. A	woid inhalation of smoke; u	ise a re	spirator and protect	tive suit.						
Unusual Fire and Explosion Hazards: Fumes of silicon dioxide, carbon dioxide, and carbon monoxide may be evolved from dried material in a fire.													
6. Accidental Release Measures													
	Containment Techniques: Discard in trash.												
Spill/Leak Clean-Up Procedures and Equipment: Wipe up with rags immediately to prevent material from being dispersed, and discard in trash. 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: Gel is slightly caustic. Wear suitable gloves and protective glasses during use. Keep out of eyes or contact with mucosal tissues. After													
			ın water. MTA	rius" gei must be kept we	ıı seale	u, and free of contar	mination b	y pyrogens. Trained personnel	use this	product			
exclusively for dental purposes. Storage Practices and Warnings: Store at room temperature (25°C/77°F). Keep bottle tightly closed. Inappropriate storage will shorten the shelf life.													
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8. Exposure Control/Personal Protection										
Ventilation: Use in a	well-ventilated area.	ing Controls	ls: None							
Routes of Entry:	Personal Protective Equipment	(PPE) for Normal Use:		PPE for Emergencies:						
Eye/Face	Wear safety glasses.			Safety glasses or face shield						
Skin	Wear latex or nitrile gloves and	avoid skin contact.		Gloves and Face shield						
Inhalation	Avoid inhalation			Dust mask or respirator						
General Hygiene Considerations and Work Practices: Wear gloves as per universal precautions in dentistry. Wash your hands after use. No eating, drinking, or smoking while handling this product. Wash clothing with spill.										
Protective Measures	During Repair and Maintenance	of Contaminated Equipment: Use	gloves							
Other Protective Me	asures and Equipment: N/E	0	SHA PELs: 1	None						
9. Physical and Chemical Characteristics										
Appearance: Slightly cloudy liquid Odor: None										
Normal Physical Stat	ъ.				Boiling Point	~100°C				
⊠ Liquid	Gas Solid		Melting Point 0°C							
		Other)			Freezing Point					
Specific Gravity or D	ensity (H ₂ 0=1): ~1.1	Solubility in Water: Soluble		pH: 7-8						
Vapor Pressure (mm	Hg @ 20°C): N/D	Vapor Density (AIR= 1): N/D	Evaporation Rate (Butyl Acetate = 1): N/D			utyl Acetate = 1): N/D				
Other: Including flan	nmability or explosive limits / Ode	or / Odor threshold / Flashpoint /	any other c	haracteristi	c as per OSHA brief #	3514: None				
10. Stability and Reactivity Data										
Incompatibility (Materials to Avoid): Do not mix with material other than NeoMTA Plus® powder or Avalon Biomed Grey MTA Plus powder										
Hazardous Products	Produced During Decomposition	: Decomposition products of the n	ninor comp	onents of ge	el include silicon dioxi	de, carbon dioxide, and carbon				
monoxide.										
Hazardous Polymeri	zation? 🗌 May Occur 🗵 N	Nay Not Occur	Condition	ns to Avoid:	Heat					
Stability?	☐ Unstable		Reactivit	y Considera	tions: None					
11. Toxicological Information										
Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data										
Estimated from contents of components. Oral: LD50 >155 gm/kg (guinea pig); LDLo > 250 g/kg (rat); Exhalative LCLo/ 4 hr: 109 g/m³/ 4 hr (rat); Eye irritation mild: 1.25 gm /24 hr (rabbit)										
Immediate, delayed	or chronic effects from long and	or short term exposure: None ki	nown							
Description of expos	ure symptoms: None known									
Potential Carcinoger	Indication (NTP, IARC or by OSH	A): None								
		12. Ecological In	formation							
Toxicity, Environmen	ntal Fate, Physical/Chemical Data	, or Other Data Supporting Enviror	nmental Ha	zard Statem	ents: Do not discard i	n water system. Discard in trash.				
		13. Disposal Cons	siderations							
Regulations: Dispose	of container and unused conten	ts in accordance with federal, stat	e, and local	l requireme	nts.					
Properties (Physical,	Chemical) Affecting Disposal: No	ne known								
		14. Transport In	formation							
Regulated for shippi	ng? ☐ Yes ⊠ No Pro	pper Shipping Name: MTA Plus® Ge	el		Packing Group: DOT	class: NR				
Do changes in quant	ity, packaging, or shipment meth	od change product classification?		Hazard Cl	ass:	Identification Number: None				
Yes	⊠ No			Non-hazardous Other: none		Other: none				
15. Regulatory Information										
Federal Regulations: Hazard code: Xn (irritant)										
Safety phrases: S22 Harmful if swallowed; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.										
S36/37/39 Wear suitable protective clothing, gloves, and eye protection. S45 In case of accident, or if you feel unwell, seek medical advice immediately. TSCA listed										
16. Other Information										
This information is based on our present knowledge; however, this shall not constitute a guarantee for a specific product features. 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.										
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