

# SAFETY DATA SHEET

Product Name: MTApeX Gel

1. Product and Company Identification					
Product Name: MTApeX Gel			SDS Code Number: SDS23		
Trade Name & Synonyms: MTApeX Gel			Last Revision: N/A Effective Date: 10/28/2021		
Chemical Name: no name assigned to mixture			Manufactured by: NuSmile Ltd.		
CAS. Number: None assigned			Address: 3315 W 12 <sup>th</sup> Street, Houston, TX 77008 USA Website: www.avalonbiomed.com		
Grades or Minor Variant Identities: None			Telephone Number: +1 713-861-0033; 1-800-346-5133		
Product Use (for Canada): Water-based liquid for mixing with MTApeX powder for dental use.			E-mail: info@avalonbiomed.com		
2. Hazard Identification					
Emergency Overview: slightly acidic water-based gel solution					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s) of hazardous component	Target Organ(s)
Eye	Can cause immediate or delayed irritation of cornea.	Single	Moderate	-	-
Skin	Exposure may cause drying of the skin with mild irritations. Discomfort or pain cannot be relied upon to alert a person to hazardous skin exposure.	Single	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.	-
Other	-	-	-	-	-
Medical Conditions Aggravated by Exposure: none known					
Carcinogenicity (IARC, NTP): none known					
Potential Environmental Effects: miscible with water with no known effects.					
3. Composition of Ingredients					
Chemical name: None assigned			CAS number: N/A		
Common Name & Synonyms: MTApeX Gel			Hazardous Components: None		
Impurities & Stabilizing additives: None			Exposure Limits: None		
4. First Aid Measures					
Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Effects		
			Acute	Delayed	
Eye	Immediately flush eyes with plenty of water for several minutes, while holding eyelids apart. Remove contact lenses. Do not use eye ointments	Get medical attention immediately, even if no symptoms.	-	-	
Skin	Immediately flush skin with plenty of cool soapy water. Remove contaminated clothing and wash contact areas thoroughly. Seek prompt medical attention.	Get medical attention.	-	-	
Inhalation	Move individual into fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Keep patient warm.	Get medical attention.	-	-	
Ingestion	If ingestion occurs, flush mouth with water, and drink water or milk. Do not induce vomiting. If vomiting occurs, keep the head lower than chest to avoid aspiration into the lungs. Never give anything by mouth to an unconscious or convulsing person.	Get medical attention.	-	-	
Other	Seek medical advice after large-scale exposure.	-	-	-	
Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically.					
5. Fire and Explosion Data					
Flashpoint & Method: Not applicable to gel		Flammable (Explosive) Limits in Air LEL/UEL: Not applicable		Autoignition Temperature: Not applicable	
Flame Propagation or Burning Rate (for solids): Not applicable to gel		Properties Contributing to Fire Intensity: none		Flammability Classification: 0	
Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical.		Extinguishing 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: Fumes of carbon dioxide, nitrogen oxides, and carbon monoxide may be evolved in a fire.					

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<b>6. Accidental Release Measures</b>			
Containment Techniques: Discard in trash.			
Spill/Leak Clean-Up Procedures and Equipment: Wipe up spills with rags 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
<b>7. Handling and Storage</b>			
Handling Practices and Warnings: Gel is slightly acidic. Wear suitable gloves and protective glasses during use. Keep out of eyes or contact with mucosal tissues. After incidental contact wash and rinse with water. MTApeX Gel must be kept well-sealed and free of contamination by pyrogens. Only trained personnel may 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.			
<b>8. Exposure Control/Personal Protection</b>			
Ventilation: Use in a well-ventilated area.		Other Engineering Controls: 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 Measures and Equipment: N/E			OSHA PELs: None
<b>9. Physical and Chemical Characteristics</b>			
Appearance: Pale yellow liquid		Odor: None	
Normal Physical State: <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid _____ (Other)		Boiling Point: ~100°C; Melting Point: ~0°C Freezing Point: ~0°C	
Specific Gravity or Density (H <sub>2</sub> O=1): ~1.1	Solubility in Water: Soluble	pH: ~11	
Vapor Pressure (mm Hg @ 20°C): N/D	Vapor Density (AIR= 1): N/D	Evaporation Rate (Butyl Acetate = 1): N/D	
Other, Including flammability or explosive limits / Odor / Odor threshold / Flashpoint / any other characteristic as per OSHA brief # 3514: None			
<b>10. Stability and Reactivity Data</b>			
Incompatibility (Materials to Avoid): Do not mix with material other than MTApeX powders.			
Hazardous Products Produced During Decomposition: Decomposition products of the minor components of gel include carbon dioxide, nitrogen oxides, and carbon monoxide.			
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur		Conditions to Avoid: Heat	
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		Reactivity Considerations: None	
<b>11. Toxicological Information</b>			
Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data, estimated from contents of components: None known			
Immediate, delayed or chronic effects from long and / or short-term exposure: None known			
Description of exposure symptoms: None known.			
Potential Carcinogen Indication (NTP, IARC or by OSHA): None.			
<b>12. Ecological Information</b>			
Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements: Discard in trash.			
<b>13. Disposal Considerations</b>			
Regulations: Dispose of container and unused contents in accordance with federal, state, and local requirements.			
Properties (Physical/Chemical) Affecting Disposal: None known			
<b>14. Transport Information</b>			
Regulated for shipping? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Proper Shipping Names: MTApeX Gel	Packing Group: DOT class: NR
Do changes in quantity, packaging, or shipment method change product classification? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Hazard Class: Non-hazardous	Identification Number: None Other: none
<b>15. Regulatory Information</b>			
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. <u>TSCA listed</u>			
<b>16. Other Information</b>			
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.			