



# SAFETY DATA SHEET

Product Name: Endo-Eze™ MTAFlow™ Gel (Gray and White)

1. Product and Company Identification				
Product Name: Endo-Eze™ MTAFlow™ Gel (Gray and White)			Article Number: SDS 490-001.02R01,13866, 4980	
Trade Name & Synonyms: Endo-Eze™ MTAFlow™ Gel			Last Revision: N/A Effective Date: 07/06/2022	
Chemical Name: no name assigned to mixture			Manufactured by NuSmile Ltd. for Ultradent	
CAS. Number: None assigned			Address: 505 10200 S #3935, South Jordan, UT 84095 Website: www.ultradent.com	
Grades or Minor Variant Identities: None			Telephone Number: (801) 572-4200	
Product Use (for Canada): Water-based liquid for mixing with MTAFlow Powder for dental use.			e-mail: onlineordersupport@ultradent.com	
2. Hazard Identification				
Emergency Overview: slightly acidic water-based gel solution				
Routes of Exposure	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s) of hazardous component	Target Organ(s)
Eye	Single	Moderate		-
Skin	Single	Mild		-
Inhalation	Single	Mild		Lung
Ingestion	Single	Mild		-
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: Endo-Eze™ MTAFlow™ 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.		Get medical attention immediately.	
Skin	Immediately flush skin with plenty of cool soapy water.		Get medical attention.	
Inhalation	Supply 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 seek medical attention.		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	Other: None
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.				
6. Accidental Release Measures				
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
7. Handling and Storage				
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. Endo-Eze MTAFlow 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.				
8. Exposure Control/Personal Protection				
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.	



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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

## 9. Physical and Chemical Characteristics

Appearance: Pale yellow liquid

Odor: None

Normal Physical State: ☒ Liquid. ☐ Gas ☐ 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: 3 - 4

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

## 10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Do not mix with material other than MTA Flow powders.

Hazardous Products Produced During Decomposition: Decomposition products of the minor components of gel include carbon dioxide, nitrogen oxides, and carbon monoxide.

Hazardous Polymerization? ☐ May Occur ☒ May Not Occur

Conditions to Avoid: Heat

Stability? ☒ Stable ☐ Unstable

Reactivity Considerations: None

## 11. Toxicological Information

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.

## 12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements: Discard in trash.

## 13. Disposal Considerations

Regulations: Dispose of container and unused contents in accordance with federal, state, and local requirements.

Properties (Physical/Chemical) Affecting Disposal: None known

## 14. Transport Information

Regulated for shipping?

☐ Yes ☒ No

Proper Shipping Names: Endo-Eze MTAFlow Gel

Packing Group: DOT class: NR

Do changes in quantity, packaging, or shipment method change product

☐ Yes ☒ No

Hazard Class: Non-hazardous

Identification Number: 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 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.