

# SAFETY DATA SHEET

Product Name: NuSmile® NeoMTA GEL

## Section 1: Identification of the substance and of the company

### 1.1. Product identifier

Product Name: NuSmile NeoMTA GEL  
Trade Name & Synonyms: NuSmile Neo MTA GEL  
EC No.: None assigned  
REACH Registration No.: None assigned CAS.  
Number: None assigned  
Name: none assigned  
Grades or Minor Variant Identities: none SDS  
Code Number: 1001

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:  
- Professional uses: Dental Cement  
Water-based liquid mixed with NuSmile NeoMTA or NuSmile NeoMTA POWDER  
Used advised against:  
- Consumer uses: No consumer use  
Reason why uses advised against: Prescription product

### 1.3. Details of the Supplier of the Safety Data Sheet

Manufactured for NuSmile Ltd.  
Address: 3315 W. 12th Street Website: www.nusmile.com  
Info Telephone No.713-861-0033  
e-mail: regulatory@nusmilecrowns.com

### 1.4. Emergency telephone number

Please contact: 713-861-0033, NuSmile Ltd.. Opening hours: Monday – Friday 8am to 5pm central  
Other comments (e.g. language(s) of the phone service): English

## Section 2. Hazards Identification

### Emergency Overview

Slightly caustic water-based gel solution.

### 2.1. Classification of the substance or mixture

Eye Irritation. (H320: Causes eye irritation.) May irritate eyes.  
Skin Irritation. (H316: Causes mild skin reaction.) May irritate skin.  
Inhalation. Dust is unlikely to form.  
Ingestion. (H303: May be harmful if swallowed.) May irritate mucosal tissues.

### 2.2. Label elements

#### Hazard statements:

H320: Causes eye irritation.  
H316: Causes mild skin reaction.  
H303: May be harmful if swallowed.

#### Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/ face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
P337+P313: If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

None

## Section 3. Composition / information on ingredients

### 3.1. Substances

CAS. Number	Hazardous Components	EC No.	REACH Registration No.
N/A	None	None assigned	None assigned

Note: This SDS was prepared in accordance with the requirements of ECHA Version 5.0 (Date 01.06.2014.) The information in this SDS is, to the best of our knowledge, believed to be true and accurate.

# SAFETY DATA SHEET

Product Name: NuSmile® NeoMTA GEL

## Section 4. First Aid Measures

### 4.1. Description of first aid measures

#### 4.1.1. General Information:

Wash affected area immediately. In case of unwellness, seek medical advice (show directions for use or safety data sheet if possible).

#### 4.1.2. Following inhalation:

Gel is unlikely to be inhaled.

#### 4.1.3. Following skin contact:

Immediately flush skin with plenty of cool soapy water. Remove contaminated clothing and wash contact areas thoroughly.

#### 4.1.4. Following eye contact:

Immediately flush eyes with plenty of water for several minutes, while holding eyelids apart. Remove contact lenses. Do not use eye ointments.

#### 4.1.5. Following ingestion:

If ingestion occurs, flush mouth with water, and drink water or milk. Do not induce vomiting. If vomiting occurs, keep head low.

#### 4.1.6. Self-protection of the first aider:

First aider: Pay attention to self-protection!

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms and effects: Can be irritating to skin and eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

Specific treatment: First aid, decontamination, and treatment of symptoms.

Notes for the doctor: Treat symptomatically.

## Section 5. Firefighting measures

### 5.1. Extinguishing media

Water spray, foam, carbon dioxide, or dry chemical.

Extinguishing media to avoid: none

### 5.2. Special hazards arising from the substance or mixture

None

### 5.3. Advice for fire-fighters

Special protective equipment for fire-fighters: Avoid inhalation of smoke; use a respirator and protective suit.

### 5.4. Additional information

Fumes of silicon dioxide, carbon dioxide, and carbon monoxide may be evolved from dried material in a fire.

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel:

Use personal protective equipment; see section 8.

#### 6.1.1. For emergency responders:

Remove persons to safety. Use personal protective equipment; see section 8.

### 6.2. Environmental precautions

None

### 6.3. Methods and material for containment and cleaning up

Spill/Leak Clean-Up Procedures and Equipment: Wipe up spills with moist rags to prevent material from being dispersed. Dispose of container and unused contents in accordance with federal, state, and local requirements.

#### 6.3.1. For containment:

Discard in trash.

#### 6.3.2. For cleaning up:

Clean contaminated objects and areas thoroughly.

#### 6.3.3. Other information:

Evacuation Procedures, Special Instructions, Reporting Requirements: All N/E

### 6.4. Reference to other sections

Personal protective equipment: see section 8.

Note: This SDS was prepared in accordance with the requirements of ECHA Version 5.0 (Date 01.06.2014.) The information in this SDS is, to the best of our knowledge, believed to be true and accurate.

# SAFETY DATA SHEET

Product Name: NuSmile® NeoMTA GEL

## Section 7. Handling and Storage

### 7.1. Precautions for safe handling

**Protective measures:**

Use only in well ventilated areas. Gel is slightly caustic. Wear suitable gloves and protective glasses during use. Handle and open container with care. MTA Plus® gel must be kept well sealed and free of contamination by pyrogens. Trained personnel use this product exclusively for dental purposes.

**Measures to prevent fire:**

This product is not flammable. No special fire protection measures are necessary.

**Measures to protect the environment:**

No necessary measures

**Advice on general occupational hygiene:**

Avoid contact with eyes or inhaling. 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 spills of material on clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:**

Store at temperatures at room temperature (25°C/77°F), not refrigerated.

**Requirements for storage rooms and vessels:**

Keep bottle tightly closed. Inadequate storage conditions will shorten the shelf life.

**Further information on storage conditions:**

Protect containers against damage.

### 7.3. Specific end use(s)

Recommendations: Observe instructions for use.

## Section 8. Exposure controls/personal protection

### 8.1. Control parameters

**OEL:** No hazard identified

**DNELs:****Workers**

Route of Exposure	Short-term local	Short-term systemic	Long-term local	Long-term systemic
Inhalation	(iii)	(iii)	(iii)	(iii)
Dermal	(iii)	(iii)	(iii)	(iii)
Oral	NOT REQUIRED			

Note: (i) hazard identified but no DNEL available, (ii) no exposure expected, (iii) no hazard identified

### 8.2. Personal protective equipment

**Routes of entry**

Eyes/Face: Avoid contact with eyes. Wear safety glasses and cover face.

Skin: Wear latex or nitrile gloves to avoid skin contact.

Inhalation: Avoid inhalation.

**Protective measures during repair and maintenance of contaminated equipment**

Use gloves

### 8.3. Other protective measures and equipment

No specific measures.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Note: This SDS was prepared in accordance with the requirements of ECHA Version 5.0 (Date 01.06.2014.) The information in this SDS is, to the best of our knowledge, believed to be true and accurate.

---

# SAFETY DATA SHEET

Product Name: NuSmile® NeoMTA GEL

- (a) Appearance: Slightly cloudy liquid
- (b) Odor: odorless
- (c) Odor threshold: Does not apply, as substance is odorless
- (d) pH: ~7
- (e) Melting Point 0°C / Freezing Point 0°C
- (f) Boiling point 100°C
- (g) Flashpoint & Method: Not applicable to gel
- (h) Evaporation Rate (Butyl Acetate = 1): N/D
- (i) Flammability Classification: 0
- (j) Flammable (Explosive) Limits in Air LEL/UEL: not applicable
- (k) Vapor Pressure (mm Hg @ 20°C): N/D
- (l) Vapor Density (AIR= 1): N/D
- (m) Relative Density: N/D
- (n) Solubility in Water: Soluble
- (o) Partition coefficient: n-octanol/water: No data available
- (p) Auto-ignition Temperature: Not applicable
- (q) Specific Gravity or Density (H<sub>2</sub>O=1): ~3.7
- (r) Viscosity: Not applicable
- (s) Explosive properties: Does not apply, substance is not explosive.
- (t) Oxidizing properties: Not applicable

Note: This SDS was prepared in accordance with the requirements of ECHA Version 5.0 (Date 01.06.2014.) The information in this SDS is, to the best of our knowledge, believed to be true and accurate.

# SAFETY DATA SHEET

Product Name: NuSmile® NeoMTA GEL

9.2. Other information
No additional information relevant to safe use of the substance
<b>Section 10. Stability and reactivity</b>
10.1. Reactivity
No specific test data related to reactivity available for this product or its ingredients.
10.2. Chemical stability
The substance is chemically stable under recommended conditions of storage, use and temperature
10.3 Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.
10.4 Conditions to avoid
Heat
10.5 Incompatible materials
Do not mix with material other than MTA Plus powder.
10.6 Hazardous decomposition products
Hazardous Products Produced During Decomposition: Decomposition products of the minor components of gel include silicon dioxide, carbon dioxide, and carbon monoxide. Hazardous Polymerization? May Occur <input type="checkbox"/> May Not Occur <input checked="" type="checkbox"/> Stability? <input checked="" type="checkbox"/> Stable Unstable <input type="checkbox"/>
<b>Section 11. Toxicological information</b>
Estimated from contents of components. <b>Acute toxicity:</b> Acute oral toxicity: No adverse effect observed Acute dermal toxicity: No adverse effect observed Acute inhalation toxicity: No adverse effect observed <b>Skin corrosion/irritation:</b> No adverse effects known. <b>Serious eye damage/irritation:</b> Slight eye irritation observed in rabbits at a 1.25gm dose during a 24-hour examination. <b>Exhalative:</b> Exhalative LCLo / 4hr: 109 g/m <sup>3</sup> (rat). <b>Oral:</b> Oral LD50 > 155 gm/kg (guinea pig); LDLo > 250 g/kg (rat). <b>Carcinogenicity:</b> None known <b>Specific effects:</b> None known
<b>Section 12. Ecological information</b>
12.1. Toxicity
Do not discard in water system. Discard in trash.
<b>Section 13. Disposal considerations</b>
13.1. Waste treatment methods
13.1.1. Product/packaging disposal: Dispose of container and unused contents in accordance with federal, state, and local requirements. 13.1.2. Waste treatment-relevant information: Discard in trash. 13.1.3. Sewage disposal-relevant information: None 13.1.4. Other disposal recommendations: Handle contaminated packages in the same way as the substance itself.
<b>Section 14. Transport information</b>
Transport may take place according to national regulations or air and land transport.
14.1. UN number
None
14.2. UN proper shipping name
MTA Plus Gel

Note: This SDS was prepared in accordance with the requirements of ECHA Version 5.0 (Date 01.06.2014.) The information in this SDS is, to the best of our knowledge, believed to be true and accurate.

# SAFETY DATA SHEET

Product Name: NuSmile NeoMTA<sup>®</sup> GEL

14.3. Transport hazard class(es)
Non-hazardous
14.4. Packing Group DOT class: N/R
14.5. Environmental hazards
Non-environmentally hazardous
14.6. Special precautions for user
Always transport in closed containers that are secure.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
Not applicable.
<b>Section 15. Regulatory Information</b>
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulations: Authorizations and/or restrictions on use: None Other EU legislation: 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
15.2. Chemical safety assessment
For this substance a chemical safety assessment has not been carried out.
<b>Section 16. Other information</b>
This information is based on our present knowledge; however, this shall not constitute a guarantee for a specific product features. 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, N/R= not regulated, LCLo = Lowest lethal concentration, LDLo= Lethal dose low
(i) Indication of changes: none (ii) CAS No: Chemical Abstracts Service number DNEL: Derived No-Effect Level EC: European Commission, EC No: European Chemical number ECHA: European Chemicals Agency EU: European Union

Note: This SDS was prepared in accordance with the requirements of ECHA Version 5.0 (Date 01.06.2014.) The information in this SDS is, to the best of our knowledge, believed to be true and accurate.