

## SAFETY DATA SHEET

### Endocem MTA

#### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name:	Endocem MTA
Product Code:	DL1311 & DL1315 (5 pack)
Recommended Use:	ENDOCEM MTA is a revolutionary next generation MTA product based on the science of pozzolan reactions, featuring quick setting times, easy handling with consistent outcomes.
Contact Information:	Dentalife Australia Pty. Ltd. Factory 9/505 Maroondah Highway Ringwood, VIC, 3134, Australia  Phone: +61 3 9879 1226
Emergency Telephone Number:	+61 3 9879 1226
Poisons Information Centre:	24 hour, 7 days a week in an emergency call: 13 11 26

#### 2. HAZARD IDENTIFICATION

NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Signal Word:	Not applicable
Hazard Pictograms:	Not applicable
Hazard Classifications:	Not applicable
Hazard Statement:	H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - May cause serious eye damage H335 - May cause respiratory irritation
Prevention Precautionary Statements:	Not applicable
Response Precautionary Statements:	Not applicable
Storage Precautionary Statements:	Not applicable

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Disposal Precautionary Statements: Not applicable

Poison Schedule: Not applicable

### DAINGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

## 3. COMPOSITION INFORMATION

COMPOSITION	CAS NO.	PROPORTION %
Natural pure cement	Not applicable	To 80
Bismuth Trioxide	1304-76-3	To 20

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

<b>Inhalation:</b>	Take the individual into the fresh air. Consult a doctor if persistent irritation occurs, or in case of the subsequent appearance of discomfort, coughing or any other symptoms. And in case of inhalation of gross amounts of product, immediate medical attention shall be required.
<b>Skin Contact:</b>	Wash off with cool water and PH-neutral soap. And contact with wet skin leads to thickening of the skin and the appearance of fissures or cracks. Prolonged contact combined with abrasions may cause severe burns. In case of irritation, redness and burns, consult a doctor.
<b>Eye Contact:</b>	Do not rub in order to avoid further damage. If need be, remove contact lenses, then Immediately flush eyes thoroughly with plenty of clean water for at least 15 minutes, keeping the eyelids wide apart in order to eliminate any residue. And direct contact with eyes may damage the cornea due to rubbing and cause immediate or subsequent irritation or inflammation. Consult an occupational doctor or ophthalmologist.
<b>Ingestion:</b>	Do not induce vomiting. If the person is conscious, rinse the mouth with water and give the person 1 or 2 classes of water. Call a doctor immediately or an anti-poison center. (Never give anything by mouth to an unconscious person.
<b>Indication of any immediate medical attention:</b>	No additional information available.

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### 5. FIRE FIGHTING MEASURES

Hazchem Code:	Not applicable
Suitable Extinguishing Media:	Use water spray, alcohol-resistant foam, and dry chemical or carbon dioxide. Wear breathing apparatus plus protective gloves for fire only.
Fire Fighting:	Prevent, by any means available, spillage from entering drains or water courses. Use fire-fighting procedures suitable for surrounding area. Thermal decomposition can lead to release of irritating gases and vapors
Fire/Explosion Hazard:	None

### 6. ACCIDENTAL RELEASE MEASURES

Minor Spills:	Clean up spills immediately.  Clean up any accidental spreading of significant quantities onto the floor without delay.  Collect dry material using a scoop. Avoid actions that cause dust to become airborne.  Avoid inhalation of dust and contact with skin.  Wear appropriate personal protective equipment as described in Section 8.  Scrape up wet material and place in an appropriate container.  Allow the material to "dry" before disposal.  Do not attempt to wash Endocem MTA down drains.
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### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Promptly remove dusty or wet clothing. Launder before reuse. Use local exhaust ventilation to minimize airborne dusts. Avoid contact with ammonia, ammonia nitrate and chlorine or chlorine containing items.
<b>Storage:</b>	Store in dry area.  Normal temperatures and pressures do not affect the material.  Store away from food and drinks.  Do not store near ammonia, ammonia nitrate and chlorine or chlorine containing items.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Personal Protection Equipment: Respiratory protector, Gloves, Safety glasses</b>	<p>Respiratory protection: Use local exhaust or general dilution ventilation to control dust levels below applicable exposure limits. Minimize dispersal of dust into the air. If local or general ventilation is not adequate to control dust levels. Below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators, described in section 2</p> <p>Skin: Wear protective clothing to prevent skin contact. promptly remove clothing dusty with dry ENDOCEM MTA or clothing dampened with moisture mixed with the product, and launder before reuse</p> <p>Eyes: Wear safety glasses with the eyes. In extremely dusty environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. contact lenses should not be worn when handling with EndocemMTA</p>
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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Solid (Powder)
Colour:	Gray
Odour:	No specific odour
Specific gravity:	Not available
Relative Density (water=1)	1
Solubility in water	Slightly soluble (0.1 to 10%)
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not available
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
Melting Point/Range (°C):	>1000 °C
Boiling Point/Range (°C):	Not available
pH:	12 - 13
Viscosity:	Not available
Total VOC (g/Litre):	Not available

**10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	Avoid unintentional contact with air to prevent premature setting.
Incompatibility:	Product mixed with water is alkaline (caustic/basic). Therefore, it is incompatible with acids, ammonia, ammonia nitrate, ammonium salts, aluminum metal and chlorine.
Hazardous Decomposition:	Addition of water to product results in hydration reaction and produces (caustic) calcium hydroxide.
Hazardous Polymerization:	Hazardous polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

No toxicological testing of this special product has been done.

**12. ECOLOGICAL INFORMATION**

No unusual toxicity to plants or animals has been recognized.

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### 13. DISPOSAL CONSIDERATIONS

**Disposal:**

Do not allow product to spread into the environment. Do not pour down the drains, into the sewer system or into watercourses. Dispose of in accordance with all local, state and federal regulations.

Dispose of packaging should be disposed of in n approved landfill or incinerator.

### 14. TRANSPORT INFORMATION

**Road and Rail Transport:**

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**Marine Transport:**

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**Air Transport:**

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

### 15. REGULATORY INFORMATION

This material/constituent(s) is covered by the following requirements:

Bismuth oxide (CAS: 1304-76-3) is found on the following regulatory lists:  
- Australian Inventory of Chemical Substances (AICS)

### 16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.

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