

SAFETY DATA SHEET

Endoseal

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name:	Endoseal
Product Code:	DL1330, DL1331 & DL1335 (5 pack)
Recommended Use:	ENDOSEAL MTA is a paste-type root canal sealer based on pozzolan cement that has excellent physical and biological properties of MTA. It is premixed and pre-loaded in a syringe that allows direct application of the sealer into the root canal without requiring powder/liquid mixing, unlike other products.
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:	Not applicable
Prevention Precautionary Statements:	Not applicable
Response 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. Remove contact lenses, if present and easy to do. Continue rinsing.

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Storage Precautionary Statements:	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal Precautionary Statements:	P501 Dispose of contents/container in accordance with local, regional, national, and international regulations.
Poison Schedule:	Not Applicable

DANGEROUS 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	-	33.2
Zirconium Dioxide	1314-23-4	66.5
Citric Acid Anhydrous	77-92-9	0.3

4. FIRST AID MEASURES

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

Inhalation:	Remove to fresh air. Seek medical help if coughing and other symptoms do not subside. ("Inhalation" of gross amounts of Endoseal requires immediate medical attention.
Skin Contact:	Wash skin with cool water and pH-neutral soap or a mild detergent intended for use on skin. Seek medical treatment in all cases of prolonged exposure to wet material, freshly cured product, or prolonged wet skin exposure to the dry powder.
Eye Contact:	Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.
Ingestion:	Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.
Indication of any immediate medical attention:	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Hazchem Code:	Not applicable
Suitable Extinguishing Media:	None required does not burn
Fire Fighting:	<p>Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire.</p> <p>Use firefighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot.</p> <p>Cool fire exposed containers with water spray from a protected location.</p> <p>If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.</p>
Fire/Explosion Hazard:	<p>Non-combustible.</p> <p>Not considered a significant fire risk, however containers may burn.</p>

6. ACCIDENTAL RELEASE MEASURES

Minor Spills:	<p>Clean up spills immediately.</p> <p>Clean up any accidental spreading of significant quantities onto the floor without delay.</p> <p>Collect dry material using a scoop. Avoid actions that cause dust to become airborne.</p> <p>Avoid inhalation of dust and contact with skin.</p> <p>Wear appropriate personal protective equipment as described in Section 8.</p> <p>Scrape up wet material and place in an appropriate container.</p> <p>Allow the material to "dry" before disposal.</p> <p>Do not attempt to wash Endoseal down drains.</p>
Personal Precautions, Protective Equipment and Emergency Procedures:	See section 8

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7. HANDLING AND STORAGE

Handling:

Promptly remove dusty clothing or clothing which is wet with product and launder before reuse. Wash thoroughly after exposure to dust or wet product mixtures or fluids.

Use local exhaust ventilation to minimize airborne dusts.

Avoid contact with ammonia, ammonia nitrate and chlorine or chlorine containing items.

Storage:

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

National Occupation Exposure Hazards:

Not available

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Controls:

Use only in well ventilated areas.

Personal Protection Equipment:

Safety glasses with side shields. Chemical goggles.
Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

See Hand protection below:

Wear chemical protective gloves, e.g., PVC.

Wear safety footwear or safety gumboots, e.g., Rubber

NOTE:

Personal hygiene is a key element of effective hand care.

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Select gloves tested to a relevant standard (e.g., Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended.

Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

Other Protection:

Overalls, P.V.C, apron, barrier cream, skin cleansing cream, eye wash unit.

Hygiene Measures:

Keep away from food, drink, and animal feedstuffs. When using do not eat, drink, or smoke. Wash hands prior to eating, drinking, or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist, or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid Powder
Colour:	Gray
Odour:	No distinct odour
Solubility:	Slightly soluble in water (0.1 to 1.0%)
Specific gravity:	Not applicable
Relative Vapor Density (air=1)	Not available
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
Boiling Point/Range (°C):	Not available
pH:	12 to 13
Viscosity:	Not available
Total VOC (g/Litre):	Not available

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions

Conditions to Avoid:

Avoid unintentional contact with water to prevent premature setting.

Incompatible Materials:

Wet Endoseal is Alkaline (caustic/basic)

It is incompatible with - acids, ammonia, ammonia nitrate, ammonium salts, aluminum metal and chlorine.

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Hazardous Decomposition Products: Addition of water to the powder results in hydration and produces (caustic) calcium hydroxide.

Hazardous Reactions: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

No toxicological testing of this special product has been done.

Chronic: There are no known long term health effects expected.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Persistence and Degradability: No data available

Bioaccumulation Potential: No information available

Mobility: No information available

Environmental Protection: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

Disposal of Contaminated Packaging: Recycle /reconditioned at an approved facility.

Environmental Regulations: Not relevant

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

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15. REGULATORY INFORMATION

Regulatory Information:	Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons. (SUSMP).
This material/constituent(s) is covered by the following requirements:	All components of this product are listed or exempt from the Australian Inventory of Industrial Chemicals (AIIC)

16. OTHER INFORMATION

Product is considered safe if used as intended.
Product is intended for professional dental/medical use only.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

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