



Product #9003 MTA WATER

Issue Date:

February 22, 2013

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## MATERIAL SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** MTA WATER

**COMMON OR CHEMICAL NAME:** N/A

**MANUFACTURED BY:**

**Medicept UK Ltd.**

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### SECTION 2. Composition/Information on Ingredients

**Hazardous Ingredients:** None listed.

### SECTION 3. Hazards Identification

For potential health hazards: SEE Section 11 below

No other hazards to man or the environment are reasonably foreseen.

### SECTION 4. First Aid Measures

**Inhalation:** Supply fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Keep patient warm. Get medical attention.

**Skin Contact:** Immediately flush skin with plenty of cool soapy water. Get medical attention.

**Eye Contact:** 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 develop.

**Ingestion:** Flush mouth with water and seek medical attention.

### SECTION 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray, foam, carbon dioxide, or dry chemical

**Extinguishing Media which should not be used:** None.

**Special exposure hazards from combustion products:** Fumes of silicon dioxide, carbon dioxide, and carbon monoxide.

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

### SECTION 6. Accidental Release Measures

**Personal Precautions:** Avoid contact with skin or eyes. Wash hands with soap and water if contact occurs.

**Environmental Precautions:** Dispose of in accordance with all federal, state, and local regulations.

*Methods for Cleaning Up:* Wipe up with rags immediately to prevent material from being scattered, and discard in trash.

### SECTION 7. Handling and Storage

*Handling Precautions:* Gel is slightly caustic. Use gloves for handling. Keep out of eyes or contact with mucosal tissues.

*In case of contact:* Wash and rinse with water

*Safe Storage Conditions:* Store kit at temperatures not exceeding 77°F (25°C).

*Other Restrictions or Recommendations:* Must be kept well sealed and free of contamination by pyrogens.

### SECTION 8. Exposure Controls/Personal Protection

*Respiratory Protection & Ventilation:* Use in a well ventilated area.

*Protective Clothing or Equipment:* Wear safety glasses, latex or nitrile gloves, and dust mask or respirator

*Unusual Work/Hygienic 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.

### SECTION 9. Physical and Chemical Properties

*Appearance:* Cloudy Liquid

*Odor:* None.

*pH:* ~8

*Boiling Point/Range:* ~100°C

*Melting Point/Range:* 0°C

*Flash Point:* Not applicable.

*Auto-Ignition Temperature:* Not applicable.

*Flammability:* No.

*Explosive Limits in Air:* Not applicable.

*Oxidizing Properties:* None.

*Vapor Pressure (mm Hg @ 20°C):* Not applicable.

*Vapor Density (Air=1):* Not applicable.

*Specific Gravity (H<sub>2</sub>O =1):* ~1.1

*Solubility in Water:* Soluble

*Reactivity in Water:* Not reactive.

*Other Data:* None.

### SECTION 10. Stability and Reactivity

*Stability:* Stable

*Conditions of Instability:* Do not mix with material other than Master-Dent MTA powder

*Incompatibility with Various Substances:* Not applicable.

*Hazardous Decomposition Products:* Decomposition products of the minor components of gel include silicone dioxide, carbon dioxide, and carbon monoxide.

*Hazardous Polymerization:* Will not occur

*Conditions to Avoid:* Heat (Temperatures above 77°F/25°C)

### SECTION 11. Toxicological Information

(Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data) Estimated from contents of components:

**Ingestion:** LD50 > 155 gm/kg (guinea pig); LDLo > 250 g/kg (rat)

**Inhalation:** LCLo/4H, 109g/m<sup>3</sup>/4H (rat)

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Eye Irritation: Mild, 1.25 gm/24hr (rabbit)

#### SECTION 12. Ecological Information

No ecological damage or impact anticipated when handled as indicated.

#### SECTION 13. Disposal Considerations

**Waste Disposal:** Do not dispose any components into sink. Dispose of in accordance with all federal, state, and local regulations.

#### SECTION 14. Transport Information

**UN Classification:** Not applicable.

**Identification:** Not applicable.

#### SECTION 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*

**U.S. FDA Dental Device:** Class II product

**EC Medical Device Directive:** Class IIa product

#### SECTION 16. Other Information

*Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.*

