



Product # 10-400, 435, 500, 700

Issue Date: January 11, 2012

Page 1 of 3

MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: Glass Ionomer Luting Cement Type 1
COMMON OR CHEMICAL NAME: Glass Ionomer Cement

MANUFACTURED BY:
Dentonics, Inc.
2833 Tophill Rd.
Monroe, NC 28110
USA

EMERGENCY TELEPHONE:
800-727-4737

GENERAL INFORMATION:
704-238-0245

SECTION 2. Composition/Information on Ingredients

Product Contents: Glass Ionomer Luting Cement Type 1 Powder & Liquid

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: •**GI Powder:** No harm anticipated, though breathing of dust should be avoided.

•**GI Liquid:** No harm anticipated.

Skin Contact: •**GI Powder:** Wash with copious amounts of water.

•**GI Liquid:** Wash with copious amounts of water.

Eye Contact: •**GI Powder:** Flush out with copious amounts of water. Seek medical attention if irritation persists.

•**GI Liquid:** Flush out with copious amounts of water. Seek medical attention if irritation persists.

Ingestion: •**GI Powder:** No harm perceived, however, if large quantities are accidentally swallowed, seek medical attention. Advise of fluoride presence in material.

•**GI Liquid:** No hazard if small amounts are swallowed. If large amounts are swallowed, ingest baking soda and seek medical attention.

SECTION 5. Fire-Fighting Measures

Suitable Extinguishing Media: Water contact acceptable.

Extinguishing Media which should not be used: None.

Special exposure hazards from combustion products: None for any component in quantities as packaged.

Special protective equipment for fire fighters: None.

SECTION 6. Accidental Release Measures

Personal Precautions: •**GI Powder:** Avoid dusting and exposure to moisture.
•**GI Liquid:** Avoid exposure to elevated temperatures.

Environmental Precautions: No precautionary measures required.

Methods for Cleaning Up: •**GI Powder:** Take same steps as with other particulate solid, basically non-to substances. Do not dispose into sink. Dispose of in accordance with all federal, state, and local regulations.
•**GI Liquid:** Wash with water into sewer system.

SECTION 7. Handling and Storage

Handling Precautions: •**GI Powder:** Avoid dusting and exposure to moisture.
•**GI Liquid:** Avoid exposure to elevated temperatures.

Safe Storage Conditions: Store at temperatures not exceeding 75°F (24°C), in dry conditions.

Other Restrictions or Recommendations: None.

SECTION 8. Exposure Controls/Personal Protection

Respiratory Protection & Ventilation: •**GI Powder:** Use dust mask if material is accidentally blown by air stream.
•**GI Liquid:** Not required under normal handling.

Protective Clothing or Equipment: Not required for any component under normal handling.

Unusual Work/Hygienic Practices: •**GI Powder:** Avoid dusting; wash with water if skin contact occurs.
•**GI Liquid:** Avoid spills; wash immediately with water if skin or eye contact occurs.

SECTION 9. Physical and Chemical Properties

Appearance: •**GI Powder:** Fine white powder.
•**GI Liquid:** Clear liquid.

pH: No data available.

Odor: •**GI Powder:** Odorless.
•**GI Liquid:** Mild characteristic odor.

Melting Point/Range: Not applicable.

Flash Point: Not applicable.

Boiling Point/Range: •**GI Powder:** Not applicable.
•**GI Liquid:** ca 105°C

Flammability: None.

Explosive Limits in Air: Not applicable.

Vapor Density (Air=1): •**GI Powder:** Not applicable.
•**GI Liquid:** ca 0.62

Oxidizing Properties: Not applicable.

Vapor Pressure (mm Hg): •**GI Powder:** Negligible at ambient temp.
•**GI Liquid:** ca 720mm Hg at 100°C

Auto-Ignition Temperature: Not applicable.

Reactivity in Water: None.

Specific Gravity (H₂O =1): •**GI Powder:** ca 3.0
•**GI Liquid:** ca 1.1

Solubility in Water: •**GI Powder:** Negligible.
•**GI Liquid:** Soluble.

Other Data: None.

SECTION 10. Stability and Reactivity

Stability: Stable.

Conditions of Instability: •**GI Powder:** None known.
•**GI Liquid:** Contact with alkaline materials.

Hazardous Polymerization: Will not occur.

Incompatibility with Various Substances: •**GI Powder:** Not applicable.
•**GI Liquid:** Alkaline materials.

Conditions to Avoid: •**GI Powder:** Moisture.
•**GI Liquid:** Elevated temperatures.

Hazardous Decomposition Products: None.

SECTION 11. Toxicological Information

Potential Acute Health Effects: None.

Potential Chronic Health Effects: None.

Signs and Symptoms of Exposure: None.

Medical Conditions Generally Aggravated by Exposure: None known.

Carcinogenic or Potential Carcinogenic Effects: No ingredient listed as a carcinogen.

Other Potential Health Effects: None known.

SECTION 12. Ecological Information

No ecological damage or impact anticipated when handled as indicated.

SECTION 13. Disposal Considerations

Waste Disposal: •**GI Powder:** Dispose of in accordance with all federal, state, and local regulations. Do not dispose into sink.
•**GI Liquid:** Disposal in sink is acceptable.

SECTION 14. Transport Information

UN Classification: Not applicable.

Identification: Not applicable.

Special Provisions for Transport: Avoid elevated temperatures and high intensity light.

SECTION 15. Regulatory Information

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.

MSDS Approved by: **Randy Leander**