



Product # 10-200-L

Issue Date: November 8, 2011

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## MATERIAL SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** Polycarboxylate Cement Liquid

**COMMON OR CHEMICAL NAME:** PCA Liquid

**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:** Polycarboxylate Cement Liquid

**Hazardous Ingredients:** Polyacrylic Acid

### SECTION 3. Hazards Identification

For potential health hazards: SEE Section 11 below

No other hazards to man or the environment are reasonably foreseen. Unlikely to cause harmful effects under normal conditions of handling and use.

### SECTION 4. First Aid Measures

**Inhalation:** Move subject to fresh air. Give oxygen if breathing is difficult, artificial respiration if breathing has stopped.

**Skin Contact:** Wash skin thoroughly with soap and water; remove and wash clothing before use.

**Eye Contact:** Flush eyes with copious amounts of water for at least 5 minutes. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth thoroughly. If swallowed, dilute by giving 2 glasses of water to drink and call doctor. Never give anything to an unconscious person via mouth.

### SECTION 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Water, water fog

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

**Special exposure hazards from combustion products:** None.

**Special protective equipment for fire fighters:** Wear self-contained breathing apparatus.

## SECTION 6. Accidental Release Measures

**Personal Precautions:** Avoid contact with skin.

**Environmental Precautions:** Prevent entry into drains and water courses.

**Methods for Cleaning Up:** Larger quantities: take up mechanically (by pumping).  
Smaller quantities: Absorb with absorbent material (e.g. Sand, Sawdust, Acid absorbent).

## SECTION 7. Handling and Storage

**Handling Precautions:** Avoid contact with skin or eyes.

**Safe Storage Conditions:** Container should be stored in normal dry place with lid firmly closed.

**Other Restrictions or Recommendations:** Good general ventilation recommended. Follow instructions enclosed in package and use only for purposes directed.

## SECTION 8. Exposure Controls/Personal Protection

**Respiratory Protection & Ventilation:** Good ventilation recommended.

**Protective Clothing or Equipment:** Gloves, goggles, overalls and boots recommended.

**Unusual Work/Hygienic Practices:** Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

## SECTION 9. Physical and Chemical Properties

**Appearance:** Viscous liquid.

**Odor:** Faint characteristic odor.

**pH:** Not applicable.

**Boiling Point/Range:** 100°C (212°F)

**Melting Point/Range:** Not applicable.

**Flash Point:** Not applicable.

**Auto-Ignition Temperature:** Not applicable.

**Flammability:** No

**Explosive Limits in Air:** Not applicable.

**Oxidizing Properties:** None

**Vapor Pressure (mm Hg):** Not applicable.

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

**Specific Gravity (H<sub>2</sub>O =1):** 1.22g/cm<sup>3</sup>/m<sup>3</sup>

**Solubility in Water:** Miscible

**Reactivity in Water:** Not reactive.

**Other Data:** None.

## SECTION 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Conditions of Instability:** Avoid excessive heat and oxidizing agents.

**Incompatibility with Various Substances:** Oxidizing agents.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Polymerizes at high temperatures.

**Conditions to Avoid:** Avoid exposure to excessive heat and oxidizing agents.

## SECTION 11. Toxicological Information

**Potential Acute Health Effects:** May cause skin/eye irritation.

**Potential Chronic Health Effects:** Skin/eye irritation upon prolonged exposure.

**Signs and Symptoms of Exposure:** Skin/eye irritation.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Carcinogenic or Potential Carcinogenic Effects:** No ingredient listed as a known 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:** Dispose via authorized waste disposal contractor to an approved waste disposal site. Dispose of in accordance with all federal, state, and local regulations.

## SECTION 14. Transport Information

**UN Classification:** Not applicable.

**Identification:** Not applicable.

**Special Provisions for Transport:** Avoid exposure to excessive heat.

## 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**



Product # 10-200-P

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## MATERIAL SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** Polycarboxylate Cement Powder

**COMMON OR CHEMICAL NAME:** Polycarboxylate Cement Powder

**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:** Polycarboxylate Cement Powder

**Hazardous Ingredients:** None.

### SECTION 3. Hazards Identification

For potential health hazards: SEE Section 11 below

No other hazards to man or the environment are reasonably foreseen. Unlikely to cause harmful effects under normal conditions of handling and use.

### SECTION 4. First Aid Measures

**Inhalation:** Fresh air.

**Skin Contact:** Wash with soap and water.

**Eye Contact:** Flush with water.

**Ingestion:** Rinse mouth.

### SECTION 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Not applicable.

**Extinguishing Media which should not be used:** Not applicable.

**Special exposure hazards from combustion products:** None.

**Special protective equipment for fire fighters:** None specific.

## SECTION 6. Accidental Release Measures

**Personal Precautions:** Avoid inhalation.

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

**Methods for Cleaning Up:** Wipe or sweep up.

## SECTION 7. Handling and Storage

**Handling Precautions:** Keep bottles tightly sealed.

**Safe Storage Conditions:** Keep bottles tightly closed and stored away from volatile materials when not in use.

**Other Restrictions or Recommendations:** None.

## SECTION 8. Exposure Controls/Personal Protection

**Respiratory Protection & Ventilation:** Avoid excessive inhalation.

**Protective Clothing or Equipment:** Gloves, MIOSH/MSHA approved mask, dust mask.

**Unusual Work/Hygienic Practices:** None.

## SECTION 9. Physical and Chemical Properties

**Appearance:** Fine powder.

**Odor:** No odor.

**pH:** Not applicable.

**Boiling Point/Range:** Not applicable.

**Melting Point/Range:** Not applicable.

**Flash Point:** Not applicable.

**Auto-Ignition Temperature:** Not applicable.

**Flammability:** No.

**Explosive Limits in Air:** None.

**Oxidizing Properties:** None.

**Vapor Pressure (mm Hg):** Not applicable.

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

**Specific Gravity (H<sub>2</sub>O =1):** 5.3 @ 68°F

**Solubility in Water:** None.

**Reactivity in Water:** Not reactive.

**Other Data:** None.

## SECTION 10. Stability and Reactivity

**Stability:** Generally stable.

**Conditions of Instability:** Not applicable.

**Incompatibility with Various Substances:** None.

**Hazardous Decomposition Products:** Cannot occur.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None.

## **SECTION 11. Toxicological Information**

**Potential Acute Health Effects:** May cause discomfort in eyes.

**Potential Chronic Health Effects:** Skin/eye irritation or discomfort may occur upon prolonged or repeated exposure. May cause irritation of nasal respiratory passages if inhaled.

**Signs and Symptoms of Exposure:** Irritation of skin, eyes, nasal respiratory passage.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Carcinogenic or Potential Carcinogenic Effects:** No ingredient is listed as a known 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:** Dispose of in accordance with all federal, state, and local regulations.

## **SECTION 14. Transport Information**

**UN Classification:** Not applicable.

**Identification:** Not applicable.

**Special Provisions for Transport:** Avoid excessive heat and intense 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**