

### SECTION 1 IDENTIFICATION

**Product Name:** Proco-Sol Non-Staining Root Canal Cement  
**Part Number:** 206323  
**Manufacturer:** StarDental®  
 1816 Colonial Village Lane  
 Lancaster, PA 17601  
 717-291-1161, Fax 717-291-3249  
**Product Information:** 1-866-DTE-INFO (1-866-383-4636)  
**Emergency Response:** FOR CHEMICAL EMERGENCY  
 Spill, Leak, Fire Exposure or Accident  
 Call INFOTRAC - 24 Hour Number: 1-800-535-5053  
 Outside of the United States Call 24 Hour Number: 001-352-323-3500  
**Note:** This product is packaged in two parts: a powder and a liquid. This Safety Data Sheet will cover both of these components; criteria pertaining to only one will be labeled (P) for powder and (L) for liquid.

### SECTION 2 HAZARD(S) IDENTIFICATION



**Classification: Hazardous**  
 Suggested H.M.I.S. Rating ..... 1-0-0-B  
 Potential Routes of Entry  
 Inhalation ..... Yes  
 Skin ..... Yes  
 Ingestion ..... Yes  
 Health Hazards (Chronic Effects):  
 Repeated or prolonged contact may cause:  
 (P)(L)Dermatitis, (P)Bronchitis and/or (P)Laryngitis  
 Health Hazards (Acute)  
 (P)May cause mucous membrane irritation  
 Carcinogenicity  
 National Toxicology Program ..... No  
 I.A.R.C. Monographs ..... No  
 O.S.H.A. Regulated ..... No

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name ..... N/A      Chemical Family ..... N/A      Formula ..... S Chem 236/R Chem 141

Chemical & Common Name(s)	CAS#	OSHA PEL	ACGIH TWA
Zinc Oxide (P)	1314-13-2	5 mg/m <sup>3</sup> , Respirable Fraction; 15 mg/m <sup>3</sup> Total Dust	2 mg/m <sup>3</sup> , Respirable Fraction
Sodium Borate (P), non-hazardous	1330-43-4	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Barium Sulfate (P)	7727-43-7	10 mg/m <sup>3</sup>	N/E
Bismuth Subcarbonate (P)	5892-10-4	N/E	N/E
Hydrogenated Rosin (P)	65997-06-0	N/E	N/E
Eugenol (L)	97-53-0	N/E	N/E

### SECTION 4 FIRST AID MEASURES

Eyes ..... Flush with copious amounts of water for at least 15 minutes.  
 Ingestion ..... Contact a physician immediately, do not induce vomiting.  
 Inhalation ..... If inhaled, move to fresh air.  
 Skin ..... Wash skin with soap and water. Wash clothing before reuse.  
**Signs and Symptoms of Exposure:**  
 Eyes ..... (P)None, (L) Causes irritation  
 Ingestion ..... None known  
 Inhalation ..... None  
 Skin Contact ..... (P) Possible sensitization  
 ..... (L) Irritation and possible dermatitis  
 Skin Absorption ..... No acute effects known.  
 Medical Conditions Generally Aggravated by Exposure ..... (L) N/A  
 ..... (P) Allergic skin reactions in susceptible individuals

### SECTION 5 FIRE FIGHTING MEASURES

**Extinguisher Media** -  
 (P) Water Spray, Dry Chemical, Foam or Carbon Dioxide  
 (L) Dry Chemical, Foam or Carbon Dioxide  
**Special Fire Fighting Procedures** -  
 (P)(L) Firefighters should wear self-contained breathing apparatus  
 (L) Cool containers exposed to flame with water  
**Unusual Fire/Explosion Hazards** -  
 (P) None  
 (L) None - Material is not pyrophoric. Does not react with water, not oxygen donor, material is shock stable.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as indicated in Section 8.  
**Spill and/or Leak Response** -  
 (P) Sweep up any spilled material, avoid dusting.  
 (L) Small spills can be wiped up with a paper towel. For large spills, use non-flammable absorbent. Place contaminated items in a closed metal waste container.

### SECTION 7 HANDLING AND STORAGE

**Liquid** -  
 Store in a tightly sealed container in a cool, dry area. Do not expose to temperatures above 35°C.  
**Powder** -  
 Store material at room temperature away from direct sunlight.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection** -  
 (P)(L) Adequate ventilation  
 (P) Keep particulates below permissible exposure limit.  
**Ventilation** -  
 (P) None Determined  
 (L) Local exhaust recommended  
**Protective Gloves** -  
 Recommended  
**Eye Protection** -  
 Use OSHA approved safety glasses.  
**Work Practices** -  
 Read instructions for use of product.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance ..... (P) Off white slightly granular powder  
 (L) Clear, pale, straw colored, oily liquid, darkens with age  
 Odor ..... (P) not applicable; (L) Slightly sweet odor  
 Odor Threshold ..... not applicable  
 pH ..... not established  
 Melting Point ..... (P) not established, (L) not applicable  
 Freezing Point ..... (P) not applicable, (L) not established  
 Initial Boiling Point and Boiling Range ..... (P) not applicable  
 (L) 254°C (489°F)  
 Flash Point ..... (P) not established, (L) 252 closed cup  
 Evaporation Rate (Butyl Acetate=1) ..... not established  
 Flammability (solid, gas) ..... not established  
 Upper/Lower Flammability or Explosive Limits:  
 LEL/LEL ..... not established  
 Vapor Pressure (mm Hg) ..... (L) 0.009@ 20°C (100°F), (P) not established  
 Vapor Density (Air=1) ..... (P) not established, (L) >air  
 Relative Density ..... not established  
 Solubility(ies) ..... (P) negligible, (L) insoluble in water  
 Partition Coefficient: n-octanol/water ..... not established  
 Auto-ignition temperature ..... not established  
 Decomposition Temperature ..... not established  
 Viscosity ..... (P) not applicable, (L) not established  
 Specific Gravity (H<sub>2</sub>O=1) ..... (P) not established, (L) 1.07  
 Percent Volatile by Weight (%) ..... not established

### SECTION 10 STABILITY AND REACTIVITY

**Stability:**  
 Stable  
**Incompatibility:**  
 (P) Aluminum powder, Phosphorus and Zirconium  
 (L) Strong oxidizing agents  
**Conditions to Avoid:**  
 (P) Conditions that generate dust  
 (L) Excessive heat  
**Hazardous Decomposition Products:**  
 (P) May include toxic Sodium Oxide and Oxides of Carbon  
 (L) Forms of CO (Carbon Monoxide) and/or CO<sub>2</sub> (Carbon Dioxide) upon burning  
**Hazardous Polymerization:**  
 Will Not Occur  
**Chronic Effects:**  
 Not Known

## SECTION 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Information not available  
**Skin Corrosion/Irritation:** Information not available  
**Serious Eye Damage/Irritation:** Information not available  
**Respiratory or Skin Sensitization:** Information not available  
**Germ Cell Mutagenicity:** Information not available  
**Carcinogenicity:** Information not available  
**Reproductive Toxicity:** Information not available  
**STOT - Single Exposure:** Information not available  
**STOT - Repeated Exposure:** Information not available  
**Ingestion:** Information not available  
**Effects:** Information not available  
**Listings:** No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer.

## SECTION 14 TRANSPORT INFORMATION

**UN Number:** Not regulated  
**UN Proper Shipping Name:** Not regulated  
**Transport Hazard Class(es):** Not regulated  
**Packing Group, if applicable:** Not regulated  
**Environmental Hazards:**  
Marine Pollutant (Yes/No): Not regulated  
Other(s): Not regulated  
**Transport in Bulk** (according to Annex II of MARPOL 73/78 and the IBC Code): Not regulated  
**Special Precautions:** Not regulated

## SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:**  
Aquatic: The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.  
Terrestrial: Information not available.  
See sections 6 for accidental release measures.  
**Persistence and Degradability:** Information not available.  
**Bioaccumulative Potential:** Information not available.  
**Mobility in Soil:** Information not available.  
**Other Adverse Effects (such as hazardous to the ozone layer):** Information not available.

## SECTION 15 REGULATORY INFORMATION

**OSHA Hazard Communication Standard:**  
Hazardous Chemical: Yes  
**TSCA Status:** All components of this product are listed on the TSCA inventory.  
**SARA Status:**  
Section 311: Hazardous Chemical - Not Determined  
Immediate - Not Determined  
Delayed - Not Determined  
Fire - Not Determined  
Sudden Release - Not Determined  
Reactive - Not Determined  
Section 313: There are no ingredients which are subject to Section 313 of SARA Title III.

### **California Proposition 65**

This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm at levels which would require a warning under statute.

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. The materials resulting from clean-up operations may be hazardous wastes and subject to specific regulations. Package, store, transport, and dispose of in accordance with all applicable local, state, and federal regulations.

## SECTION 16 OTHER INFORMATION

Safety Data Sheet 62000 Rev I: Date of Preparation 2016/05/06  
This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. The information herein is given in good faith but no warranty, either express or implied, is made.