

## SAFETY DATA SHEET

### SECTION 1. Identification

**PRODUCT NAME:** Henry Schein Cement Kit

**COMMON OR CHEMICAL NAME:** Flowable Light-Cure Composite Restorative/Veneer Cement Kit

**RECOMMENDED USE:** Dental Material

**MANUFACTURED BY:**  
Scientific Pharmaceuticals, Inc.  
3221 Producer Way  
Pomona, California 91768  
USA

**EMERGENCY TELEPHONE:**  
800-634-3047

**GENERAL INFORMATION:**  
909-595-9922

### SECTION 2. Hazards Identification

*Hazard Classification:* For potential health hazards: SEE Section 11 below.

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

### SECTION 3. Composition/Information on Ingredients

*Chemical Name/Common Name:* Flowable Light-Cure Composite Restorative/Veneer Cement Kit

*Product Contents:*

- 3.5g x5 Flowable Light-Cure Composite Restorative/Veneer Cement Syringes
- 18g Enamel Conditioner Bottle
- 6.5g Porcelain Conditioner Bottle

*Hazardous Ingredients:*

- Restorative/Veneer Cement: *None listed.*
- Enamel Conditioner: *Phosphoric Acid.*
- Porcelain Conditioner: *Isopropanol*

**Phosphoric Acid**

Proper Shipping Name: Phosphoric Acid  
CAS: 7664-38-2  
UN Designation: UN1805  
Class: 8, Corrosive  
Packing Group: III

**HAZARDOUS DATA**

Health: **2**  
Flammability: **0**  
Reactivity: **2**

**Hazardous Data Legend**

4 - Extreme  
3 - High  
2 - Moderate  
1 - Slight  
0 - Insignificant

**Isopropanol**

Proper Shipping Name: Isopropanol  
CAS: 67-63-0  
UN Designation: UN1219  
Class: 3, Flammable Liquid  
Packing Group: II

**HAZARDOUS DATA**

Health: **1**  
Flammability: **3**  
Reactivity: **0**

**Hazardous Data Legend**

4 - Extreme  
3 - High  
2 - Moderate  
1 - Slight  
0 - Insignificant

*Formulation Represents A Trade Secret Mixture*

#### SECTION 4. First Aid Measures

**Inhalation: All Components:** No harm anticipated from materials in quantities as packaged.

**Skin Contact:**

- **Restorative/Veneer Cement:** Wash with soap and water.

- **Enamel Conditioner:** Rinse with water. Prolonged contact may destroy tissue. Seek medical attention in case of serious irritation or burns.

- **Porcelain Conditioner:** Wash with copious amounts of water.

**Eye Contact:**

- **Restorative/Veneer Cement:** Flush immediately with copious amounts of water.

- **Enamel Conditioner:** Immediately rinse with copious amounts of water. Seek medical attention immediately.

- **Porcelain Conditioner:** Flush immediately with copious amounts of water.

**Ingestion:**

- **Restorative/Veneer Cement:** Induce vomiting if large amount of material is swallowed.

- **Enamel Conditioner:** Corrosive to mouth and throat. Serve milk if available or sodium bicarbonate (baking soda).

- **Porcelain Conditioner:** Induce vomiting, preferably by mechanical measures.

#### 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 and Emergency Procedures:** Avoid contact of skin or eyes with any component. Wash hands with soap and water if contact occurs.

**Environmental Precautions and Methods for Containment:**

- **Restorative/Veneer Cement:** Dispose of in accordance to all federal, state, and local regulations.

- **Enamel Conditioner:** Dispose in DOT approved waste containers.

- **Porcelain Conditioner:** Dilute with water before disposing.

**Methods for Cleaning Up:**

- **Restorative/Veneer Cement:** Wipe up with soap, water and paper towels.

- **Enamel Conditioner:** Dilute with large amounts of water and dispose.

- **Porcelain Conditioner:** Dilute with water before disposing.

#### SECTION 7. Handling and Storage

**Handling Precautions:**

- **Restorative/Veneer Cement:** Not applicable.

- **Enamel Conditioner:** Avoid proximity of reactive metals and alkaline substances.

- **Porcelain Conditioner:** Keep away from flames and sparks, oxidizing agents, alkalis, and

**Safe Storage Conditions:** Store kit at temperatures not exceeding 75°F (24°C).

**Other Restrictions or Recommendations:**

- **Restorative/Veneer Cement:** Avoid exposure to moisture and light.

- **Enamel Conditioner:** Not applicable.

- **Porcelain Conditioner:** Not applicable.

#### SECTION 8. Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits:** Not established.

**Respiratory Protection & Ventilation:** Not required for any component.

## SECTION 8. Exposure Controls/Personal Protection - Continued

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

**Unusual Work/Hygienic Practices:** Avoid prolonged contact skin; wash with soap and water.

## SECTION 9. Physical and Chemical Properties

**Appearance (physical state, color, etc.):**

- **Restorative/Veneer Cement:** Thin paste.
- **Enamel Conditioner:** Liquid yellow.
- **Porcelain Conditioner:** Liquid clear.

**Odor:**

- **Restorative/Veneer Cement:** Negligible odor.
- **Enamel Conditioner:** Negligible odor.
- **Porcelain Conditioner:** Characteristic for alcohol.

**Odor threshold:** Not established.

**pH:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** Characteristic for alcohol.
- **Porcelain Conditioner:** Not applicable.

**Melting point/freezing point:** All components: Not applicable.

**Initial boiling point and boiling range:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** ~100°C
- **Porcelain Conditioner:** 82.3°C

**Flash point:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** Not applicable.
- **Porcelain Conditioner:** 53°F (Method: Open Cup).

**Evaporating rate:** Not established.

**Flammability (solid, gas):**

- **Restorative/Veneer Cement:** No.
- **Enamel Conditioner:** No.
- **Porcelain Conditioner:** Yes.

**Upper/Lower flammability or explosive limits:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** Not applicable.
- **Porcelain Conditioner:** Lower 2% Upper 12%

**Vapor pressure:**

- **Restorative/Veneer Cement:** Negligible at ambient temperatures.
- **Enamel Conditioner:** <760 mm Hg at 100°C.
- **Porcelain Conditioner:** <96 mm Hg at 100°F.

**Vapor density:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** <1
- **Porcelain Conditioner:** >1

**Relative density:**

- **Restorative/Veneer Cement:** ~ 2.2
- **Enamel Conditioner:** ~ 1.2
- **Porcelain Conditioner:** ~ 0.8

**Solubility (ies):**

- **Restorative/Veneer Cement:** Virtually insoluble in water.
- **Enamel Conditioner:** Soluble in water.
- **Porcelain Conditioner:** Soluble in water.

## SECTION 9. Physical and Chemical Properties - continued

**Partition coefficient: n-octanol/water:** Not established.

**Auto-ignition temperature:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** Not applicable.
- **Porcelain Conditioner:** 662°F

**Decomposition temperature:** Not established.

**Viscosity:** Not established.

## SECTION 10. Stability and Reactivity

**Stability: All components:** Generally stable.

**Conditions of Instability:**

- **Restorative/Veneer Cement:** Avoid exposure to light.
- **Enamel Conditioner:** Not applicable.
- **Porcelain Conditioner:** Avoid exposure to heat, open flames, and sparks.

**Incompatibility or Reactivity with Various Substances:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** Reactive metals, alkaline substances.
- **Porcelain Conditioner:** Isocyanates, strong oxidizing agents, alkali agents.

**Hazardous Decomposition Products:**

- **Restorative/Veneer Cement:** Not applicable.
- **Enamel Conditioner:** Phosphoric acid vapors and phosphoric oxides, if exposed.
- **Porcelain Conditioner:** Not applicable.

**Hazardous Polymerization:**

- **Restorative/Veneer Cement:** None in quantities as packaged.
- **Enamel Conditioner:** Not applicable.
- **Porcelain Conditioner:** Not applicable.

**Conditions to Avoid:**

- **Restorative/Veneer Cement:** Avoid exposure to light and temperatures above 80°F.
- **Enamel Conditioner:** Avoid temperatures over 80°F.
- **Porcelain Conditioner:** Avoid heat, open flame and sparks.

## SECTION 11. Toxicological Information

**Potential Acute Health Effects:**

- **Restorative/Veneer Cement:** Possibility of skin irritation or sensitization if not washed off promptly.
- **Enamel Conditioner:** Eye irritation upon contact. Skin irritation upon prolonged exposure.
- **Porcelain Conditioner:** Eye irritation upon contact. Skin irritation upon prolonged exposure.

**Potential Chronic Health Effects:**

- **Restorative/Veneer Cement:** Possibility of skin sensitization or irritation upon prolonged or repeated exposure.
- **Enamel Conditioner:** Possibility of severe skin/eye damage upon prolonged or repeated exposure.
- **Porcelain Conditioner:** Possibility of skin sensitization or irritation upon prolonged or repeated 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 carcinogen.

**Other Potential Health Effects:** None known.

## SECTION 12. Ecological Information

No ecological damage or impact anticipated upon exposure to the environment in quantities as packaged.

## 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.

**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 SDS 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 SDS information may not be applicable.*

**SDS Approved by: David V. Butler, Technical Director**