

## **StarFlow Instructions 0418 Rev A**

### **INSTRUCTIONS**

StarFlow™ is a visible light-cured, highly filled flowable microhybrid composite for anterior and selected posterior restorations. Star Flow is well suited for Class 3, 4, and 5 restorations, and also serves as a pit and fissure sealant. Star Flow may also be used on small select Class 1 restorations, but is generally not indicated for any Class 2 restorations. It is very esthetic, strongly radiopaque, and has very high strength, with excellent color stability, abrasion resistance, and high polishability.

Star Flow is based on a BIS GMA resin and contains inorganic filler particles averaging 0.7 microns. Total filler load is 60 % by weight.

Star Flow is available in the most common VITA shades.

### **INSTRUCTIONS FOR USE OF STAR FLOW**

1. Isolate tooth with a rubber dam.
2. Complete conservative cavity preparation with conventional means, or with an air abrasive device (PrepStar™).
3. Use of Caries Finder is suggested to ensure complete removal of caries.
4. Apply adhesive. Follow bonding adhesive manufacturer's instructions.
5. Remove and discard syringe cap and install a new 20-gauge needle tip. To avoid air inclusion, point tip upward during composite fill. Leave spent needle tip on Star Flow between uses; natural light will cure the resin and create a seal. To avoid cross-contamination, replace the needle tip between patients, and do not suck back resin.
6. Syringe Star Flow in 2 mm maximum increments into cavity preparation.
7. Light-cure Star Flow for 40 seconds.
8. Finish Star Flow with fine diamonds, stones, or burs. Polish to a high gloss with discs or rubber points. Interproximal finishing is accomplished by fine grit finishing strips.

### **STORAGE**

The shelf life is 3 years when stored at 74<sup>O</sup> F (25<sup>O</sup> C). Refrigeration prolongs shelf life.

### **ADDITIONAL NOTES**

- Do not use any resin to adjust viscosity of composite restorative material.
- Do not store the composite material in proximity of eugenol-containing products, nor let the composite come into contact with materials containing eugenol. Eugenol can impair the hardening of the composite, and cause discoloration.
- Contact of resin pastes with skin should be avoided, especially by anyone having known resin allergies.

## MATERIAL SAFETY DATA SHEET

### SECTION I – PRODUCT IDENTIFICATION      MSDS NO. SF01

**Company Name:** Danville Materials  
2021 Omega Road  
San Ramon, CA 94583  
**Phone:** (800) 822-9294  
**Fax:** (925) 838-0944  
**Prepared:** March 1, 1998

### SECTION II – HAZARDOUS INGREDIENTS OF MIXTURES

<b>Hazardous Component</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Barium Glass	15	10
BIS GMA	N/L	N/L

### SECTION III – PHYSICAL DATA

(ND) = Not Determined    NA = Not Applicable    NL = Not Listed  
Vapor Pressure mm HG: ND  
Evaporation Rate (Ether = 1): NA  
Solubility in H<sub>2</sub>O: Insoluble  
Appearance: Tooth-Shaded Resin Paste  
Specific Gravity (H<sub>2</sub> = 1): > 1

### SECTION IV – FIRE AND EXPLOSION

Flash Point: > + 104 deg. F  
Extinguishing Media: Carbon Dioxide, foam, dry chemical  
Special Fire-Fighting Procedures: None  
Flammable Limits: ND  
Unusual Fire and Explosion Hazards: None

### SECTION V – REACTIVITY DATA

Stability: Unstable ( ) Stable (X)  
Conditions to avoid: Prolonged extreme heat beyond 40 deg. C, and intense light.  
Incompatibility: ND  
Hazardous Decomposition Products: None known  
Hazardous Polymerization: May occur ( ) Will not occur (X) None

### SECTION VI – HEALTH HAZARDS

OSHA Permissible Exposure Limits: None  
Other Exposure Limit Used: None  
ACGIH Threshold Exposure Limit: None  
Chronic, Other: None  
Acute Overexposure: Irritation to eyes and skin may occur with uncured resins. May cause skin sensitivity in select individuals.  
Medical Conditions generally aggravated by exposure: None known  
Hygienic Practices: None  
Primary Route(s) of Exposure: Skin: Yes. Inhalation and ingestion: No

### SECTION VII – EMERGENCY AND FIRST AID PROCEDURES

Signs of Exposure: Severe skin or eye irritation, redness or burning sensation.  
Skin: Wash off affected area with soap and water.  
Ingestion: Seek immediate medical advice, carry container with label.  
Eyes: Rinse immediately with plenty of water and seek medical advice.

**SECTION VIII– SAFE HANDLING & USE PRECAUTIONS**

Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with soap and water.

Waste Disposal Methods: This material contains hazardous constituents. Dispose of safely in accordance with local, state, and federal regulations. Avoid temperatures in excess of 40 deg. C.

**SECTION IX – PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory: None

Eye Protection: Safety goggles

Gloves: Surgical rubber/PVC gloves

Other Clothing & Equipment: Face Mask

Ventilation: None required, local exhaust recommended.