

## ***MATERIAL SAFETY DATA SHEET***

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| <b>TRADE NAME:</b> | <b>TETRAPAQUE® / CERINATE® SHADE MODIFIERS &amp; OPACIFIERS</b> |
|--------------------|-----------------------------------------------------------------|

**CHEMICAL FAMILY:** Dental Composite

**FORMULA:** Glass Filler Materials in Aromatic / Aliphatic Methacrylate Resins

### **I. PHYSICAL DATA**

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| BOILING POINT, 760mm, Hg:              | N/A                                               |
| FREEZING POINT:                        | Less than 32°F                                    |
| SPECIFIC GRAVITY (H <sub>2</sub> O=1): | 1.82                                              |
| VAPOR PRESSURE (20°C):                 | Less than 1mm Hg                                  |
| VAPOR DENSITY (Air=1):                 | 1                                                 |
| SOLUBILITY IN WATER:                   | Nil                                               |
| PERCENT VOLATILES BY VOLUME:           | Nil                                               |
| EVAPORATION RATE (Butyl Acetate=1)     | Less than 0.1                                     |
| APPEARANCE AND ODOR:                   | White to brown stiff paste with little or no odor |

### **II. FIRE AND EXPLOSION HAZARD DATA**

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| FLASH POINT:                           | None                                               |
| FLAMMABLE LIMITS:                      | Not determined                                     |
| EXTINGUISHING MEDIA:                   | CO <sub>2</sub> , water fog or foam, dry chemicals |
| SPECIAL FIRE EXTINGUISHING PROCEDURES: | N/A                                                |
| UNUSUAL FIRE AND EXPLOSION HAZARDS:    | N/A                                                |

**III. HEALTH HAZARDS**

|                                     |               |
|-------------------------------------|---------------|
| THRESHOLD LIMIT VALUE:              | NE            |
| EFFECTS OF OVEREXPOSURE:            | None          |
| EMERGENCY AND FIRST AID PROCEDURES: | None required |

**IV. REACTIVITY DATA**

|                           |                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| STABILITY:                | Stable                                                                                                                 |
| CONDITIONS TO AVOID:      | None                                                                                                                   |
| INCOMPATIBILITY:          | None                                                                                                                   |
| HAZARDOUS DECOMPOSITION:  | Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide and oxides of nitrogen and silicon. |
| HAZARDOUS POLYMERIZATION: | Will not occur                                                                                                         |

**V. SPILL OR LEAK PROCEDURES**

|                                                       |                                                                                                 |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: | Soak up with suitable absorbent material and collect for disposal. Flush spill area with water. |
| WASTE DISPOSAL METHOD:                                | Dispose according to government regulations.                                                    |

**VI. SPECIAL PROTECTION INFORMATION**

|                            |                                |
|----------------------------|--------------------------------|
| RESPIRATORY PROTECTION     | None                           |
| VENTILATION                | None                           |
| PROTECTIVE GLOVES          | Recommended                    |
| EYE PROTECTION             | Safety glasses are recommended |
| OTHER PROTECTIVE EQUIPMENT | Eye bath and safety shower     |

**EMERGENCY PHONE NUMBER: (805) 922-8491**

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