

# SAFETY DATA SHEET

**Date Issued :** 04/09/2008  
**MSDS No :** BS1005  
**Date Revised :** 11/04/2015  
**Revision No :** 4

## Resilience® Catalyst Enamel Bonding Resin

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Resilience® Catalyst Enamel Bonding Resin  
**PRODUCT DESCRIPTION:** 6787M6G8  
**PRODUCT CODE:** FC-RESI-053; FC-RESI-049  
**CHEMICAL FAMILY:** Aromatic and Aliphatic Diemethacrylate Monomers  
**MOLECULAR FORMULA:** Not Available

#### MANUFACTURER

Ortho Technology, Inc.  
 17401 Commerce Park Boulevard  
 Tampa, FL 33647  
**Emergency Phone:** 1-800-999-3161  
**E-Mail:** ljohnson@orthotechnology.com

### 2. HAZARDS IDENTIFICATION

#### GHS LABEL

Causes skin and eye irritation.



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H315 + H320: Causes skin and eye irritation.

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Filled Resin

#### POTENTIAL HEALTH EFFECTS

**EYES:** Irritation to the eyes

**SKIN:** Repeated contact with skin may cause reddening and irritation

**INGESTION:** Possible irritation with ingestion

**INHALATION:** Possible irritation

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS	Wt.%
Bisphenol "A" Diglycidyl Methacrylate	156-94-2	~ 0 - 100
Benzoyl Peroxide	94-36-0	~ 0 - 100

### 4. FIRST AID MEASURES

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**EYES:** Flush with copious amounts of water.

**SKIN:** Wash with soap and water.

**INGESTION:** Seek medical attention

**INHALATION:** Remove to fresh air.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry Chemical Foam, CO<sub>2</sub>, Alcohol, or Polymer Foam

**EXPLOSION HAZARDS:** Material may burn if exposed to flame

**FIRE FIGHTING PROCEDURES:** None required

**FIRE FIGHTING EQUIPMENT:** Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not determined

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Collect spilled materials. Place in closed container.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** May cause adverse environmental impact if material reaches waterways

### 7. HANDLING AND STORAGE

**HANDLING:** To be handled by qualified dental professionals.

**STORAGE:** Store at or below room temperature.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses; splash goggles recommended.

**SKIN:** Wear lab coat and compatible chemical-resistant gloves.

**RESPIRATORY:** None required under normal use

**PROTECTIVE CLOTHING:** Wear lab coat

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Filled Resin

**ODOR:** Resin odor

**FLASHPOINT AND METHOD:** Not Determined

**BOILING POINT:** No data

**FREEZING POINT:** No data

**MELTING POINT:** No Data

**SOLUBILITY IN WATER:** Insoluble, Flux alone (inside the Pellets) is water soluble

**EVAPORATION RATE:** Not Determined

**SPECIFIC GRAVITY:** 1.1

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### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** High temperatures. Keep away from materials containing tertiary amines

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization may occur in large quantities

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and Carbon dioxide

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Mild irritation to the eyes

**SKIN EFFECTS:** Slight irritation to the skin

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** May cause adverse environmental impact if material reaches waterways

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Collect spilled material. Place in closed container.

**PRODUCT DISPOSAL:** Dispose of waste in an appropriate waste disposal facility according to current applicable laws and regulations

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**OTHER SHIPPING INFORMATION:** None required

### 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** R-Phrase:

R21: Harmful in contact with skin

S-Phrase:

S24/25: Avoid contact with skin and eyes.

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** New MSDS Format

**APPROVED BY:** Jodi Hutchnins     **TITLE:** Director of Regulatory and Quality Affairs

**PREPARED BY:** T. Bouchard

**REVISION SUMMARY:** This MSDS replaces the 03/11/2014 MSDS. Revised: **Section 1:** APPROVED BY, REASON FOR ISSUE, TITLE. **Section 2:** . **Section 3:** Wt.%.

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