

# SAFETY DATA SHEET

**Date Issued :** 03/11/2014  
**MSDS No :** BS1004  
**Date Revised :** 11/04/2015  
**Revision No :** 5

## Resilience Enamel Catalyst Primer

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Resilience Enamel Catalyst Primer  
**PRODUCT DESCRIPTION:** 7247M9ZZ  
**PRODUCT CODE:** FC-RESI-01; FC-RESI-027; FC-RESI-048  
**CHEMICAL FAMILY:** Methacrylate  
**MOLECULAR FORMULA:** Not Available  
**GENERIC NAME:** Enamel Catalyst Primer

#### MANUFACTURER

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

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

1-800-999-3161

### 2. HAZARDS IDENTIFICATION

#### GHS LABEL

Irritating to skin



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H315 + H320: Causes skin and eye irritation.

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Straw Colored Resin

#### POTENTIAL HEALTH EFFECTS

**EYES:** Possible Irritant

**SKIN:** Mild to severe irritant

**INHALATION:** Possible Irritant

**ROUTES OF ENTRY:** Skin - Yes

Inhalation - Possible

Ingestion - Possible

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT(S)	CAS	Wt.%
Bisphenol "A" Diglycidyl Methacrylate	156-94-2	~ 0 - 100
Triethylene Glycol Dimethacrylate	109-16-0	~ 0 - 100
Isobutyl Methacrylate	97-86-9	~ 0 - 100

See Section 8 for Exposure Limits

### 4. FIRST AID MEASURES

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

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

**INGESTION:** If swallowed, immediately drink a large quantity of milk or water and seek medical attention.

**INHALATION:** Remove to fresh air.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**SKIN:** Repeated Exposure to Skin may cause irritation and reddening.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry Chemical Foam, CO2, Dry Chemical

**EXPLOSION HAZARDS:** Not Applicable

**FIRE FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**FIRE EXPLOSION:** Material may burn if exposed to flame. Full water jet not suggested.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb small spills with a paper towel.

**LARGE SPILL:** Dike large spills with vermiculite or similar absorbent

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** To be handled by qualified dental professionals. Follow instructions for use.

**STORAGE:** Store at or below room temperature. No other precautions.

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

HAZARDOUS COMPONENTS					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isobutyl Methacrylate	<b>TWA</b>	[1]	[1]	[1]	[1]
	<b>STEL</b>	[1]	[1]	[1]	[1]
<b>Footnotes:</b>					
1. Not Established					

### PERSONAL PROTECTIVE EQUIPMENT

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

**SKIN:** Protective gloves recommended

**RESPIRATORY:** None required under normal use

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Straw colored resin

**ODOR:** Characteristic odor.

**COLOR:** Straw colored

**FLASHPOINT AND METHOD:** ND = No Data/Not Determined

**FLAMMABLE LIMITS:** Not Determined

**VAPOR PRESSURE:** ND = No Data/Not Determined

**VAPOR DENSITY:** ND = No Data/Not Determined

**BOILING POINT:** ND = No Data/Not Determined

**FREEZING POINT:** ND = No Data/Not Determined

**MELTING POINT:** ND = No Data/Not Determined

**SOLUBILITY IN WATER:** Insoluble.

**EVAPORATION RATE:** ND = No Data/Not Determined

**DENSITY:** ND = No Data/Not Determined

**SPECIFIC GRAVITY:** (H<sub>2</sub>O = 1): 1.1

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** In large quantities, may occur with heat elevation.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** High temperatures, localized heat sources, freezing and UV light

**POSSIBILITY OF HAZARDOUS REACTIONS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, reducers, free-radical initiators, heavy metal ions and polymerization catalysts.

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### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Isobutyl Methacrylate	11824 mg/kg (Mouse)	20 ml/kg (Rabbit)	3600 ppm 6 hrs (Rat)

#### CARCINOGENICITY

**Notes:** ND = No Data/Not Determined

### 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with Federal, State, and Local Regulations.

### 14. TRANSPORT INFORMATION

**COMMENTS:** None required

### 15. REGULATORY INFORMATION

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** New MSDS Format

**APPROVED BY:** Jodi Hutchins    **TITLE:** QA/RA Director

**PREPARED BY:** L. Johnson

**REVISION SUMMARY:** This MSDS replaces the 11/04/2015 MSDS. Revised: **Section 3:** Wt.%.

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