

SAFETY DATA SHEET

Date Prepared : 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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Chemical Name	Wt. %	CAS
Bisphenol "A" Diglycidyl Methacrylate	~ 0 - 100	156-94-2
Triethylene Glycol Dimethacrylate	~ 0 - 100	109-16-0
Isobutyl Methacrylate	~ 0 - 100	97-86-9

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

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)								
				EXPOSURE LIMITS				
				OSHA PEL		ACGIH TLV		
Chemical Name				ppm	mg/m ³	ppm	mg/m ³	
Isobutyl Methacrylate				TWA	[1]	[1]	[1]	[1]
				STEL	[1]	[1]	[1]	[1]
Footnotes:								
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: (H₂O = 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 ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (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 **Date Revised:** 11/04/2015

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

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