

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

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

Resilience Enamel Catalyst Primer

SECTION 1 : Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code : FC-RESI-01; FC-RESI-027; FC-RESI-048
Product name : Resilience Enamel Catalyst Primer
Product description : 7247M9ZZ
Generic name : Enamel Catalyst Primer
Chemical family : Methacrylate
Molecular formula : Not Available

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer

Ortho Technology, Inc.
 17401 Commerce Park Boulevard
 Tampa, FL 33647

Emergency Phone : 1-800-999-3161
E-Mail : ljohnson@orthotechnology.com

1.4. Emergency telephone number

1-800-999-3161

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


Classification according to Directive 1999/45/EC

2.2. Label elements

Irritating to skin

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s) :



Exclamation
mark

Hazard statement(s) : H315 + H320: Causes skin and eye irritation.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

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| Chemical Name | CAS | EINECS No. | Wt. % | Classification according to Directive 67/548/EEC |
|---------------------------------------|----------|------------|-----------|--|
| Bisphenol "A" Diglycidyl Methacrylate | 156-94-2 | N/A | ~ 0 - 100 | Not classified |
| Triethylene Glycol Dimethacrylate | 109-16-0 | 203-652-6 | ~ 0 - 100 | Not classified |
| Isobutyl Methacrylate | 97-86-9 | 202-613-0 | ~ 0 - 100 | Xi; R36; R37; R38; S36 |

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- Following eyes** : Flush with copious amounts of water.
- Following skin** : Wash with soap and water.
- Following ingestion** : If swallowed, immediately drink a large quantity of milk or water and seek medical attention.
- Following inhalation** : Remove to fresh air.

4.2. Most important symptoms and effects, both acute and delayed

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

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media

- Extinguishing media** : Dry Chemical Foam, CO2, Dry Chemical

5.2. Special hazards arising from the substance or mixture

- Explosion hazards** : Not Applicable
- Fire explosion** : Material may burn if exposed to flame. Full water jet not suggested.

5.3. Advice for firefighters

- Fire fighting equipment** : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

- Small spill** : Absorb small spills with a paper towel.
- Large spill** : Dike large spills with vermiculite or similar absorbent

6.4. Reference to other sections

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- General procedures** : To be handled by qualified dental professionals. Follow instructions for use.
- Storage** : Store at or below room temperature. No other precautions.

7.2. Conditions for safe storage, including any incompatibilities

- Storage temperature** : Store at or below room temperature.

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

- Eye/face protection** : Safety glasses; splash goggles recommended.
- Skin protection** : Protective gloves recommended
- Respiratory protection** : None required under normal use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state** : Straw colored resin
- Colour** : Straw colored
- Odour** : Characteristic odor.
- Melting temperature** : ND = No Data/Not Determined
- Freezing temperature** : ND= No Data/Not Determined
- Boiling temperature** : ND = No Data/Not Determined
- Flash point** : ND = No Data/Not Determined
- Evaporation rate** : ND = No Data/Not Determined
- Flammable limits** : Not Determined
- Vapor pressure** : ND = No Data/Not Determined
- Vapor density** : ND = No Data/Not Determined
- Density** : ND = No Data/Not Determined
- Specific gravity** : (H₂O = 1): 1.1
- Solubility in water** : Insoluble.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

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Chemical stability : Stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : None

Hazardous polymerization : In large quantities, may occur with heat elevation.

10.4. Conditions to avoid

Conditions to avoid : High temperatures, localized heat sources, freezing and UV light

10.5. Incompatible materials

Incompatible materials : Strong oxidizing agents, reducers, free-radical initiators, heavy metal ions and polymerization catalysts.

10.6. Hazardous decomposition products

Hazardous decomposition products : Oxides of Carbon

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

| Chemical Name | Oral LD ₅₀ | Dermal LD ₅₀ | Inhalation LC ₅₀ |
|-----------------------|------------------------|-------------------------|-----------------------------|
| Isobutyl Methacrylate | 11824 mg/kg (Mouse) | 20 ml/kg (Rabbit) | 3600 ppm 6 hrs (Rat) |

Carcinogenicity : ND = No Data/Not Determined

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Environmental data : May cause adverse environmental impact if material reaches waterways

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal method : Dispose of in accordance with Federal, State, and Local Regulations.

SECTION 14: Transport information

14.1. UN number

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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Additional information : None required

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

SECTION 16: Other information

Relevant R-phrases and/or H-statements (number and full text) : R36: Irritating to eyes.
R37: Irritating to respiratory system.
R38: Irritating to skin.
S36: Wear suitable protective clothing.

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.%.

Manufacturer disclaimer : To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.